

**2019**

# **WASHINGTON METROPOLITAN REGION ANNUAL HIV EPIDEMIOLOGICAL PROFILE**

**Data reported through  
June 30, 2020**

**CENTER FOR HIV  
SURVEILLANCE,  
EPIDEMIOLOGY AND  
EVALUATION**

Infectious Disease Prevention and  
Health Services Bureau  
Prevention and Health Promotion  
Administration



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## On the Web

<https://phpa.health.maryland.gov/OIDEOR/CHSE/SiteAssets/Pages/statistics/Washington-Metro-Annual-HIV-Epidemiological-Profile-2019>

## Additional Information and Reporting Instructions

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## Section I – Summary of Analyses and Technical Notes

### Highlights of Analyses

The Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health is responsible for the collection, analysis, and dissemination of HIV surveillance data for the state of Maryland. The annual epidemiological profiles, fact sheets, maps and other reports attempt to summarize information about the HIV epidemic in Maryland.

All rates are per 100,000 population.

#### HIV Diagnoses

During 2019, there were 475 reported HIV diagnoses in the Washington Metropolitan Region. The Washington Metropolitan Region includes Calvert County, Charles County, Frederick County, Montgomery County, and Prince George's County. Data presented below describe HIV diagnoses in the Washington Metropolitan Region, among people age 13 years and older, during 2019.

- Geographic distribution: Prince George's county accounted for the highest number (289, 60.8%) and the highest rate (38.0) of HIV diagnoses.
- Age: Persons aged 20-39 years accounted for the highest number (278, 58.5%) of HIV diagnoses. The highest rate was among 20-29-year-olds (48.6).
- Sex at Birth: Males accounted for the highest number (331, 69.7%) of HIV diagnoses. The rate among males was 33.4 and 13.3 among females.
- Race/Ethnicity: Non-Hispanic Blacks accounted for the highest number (355, 74.7%) and rate (48.0) of diagnoses.
- Exposure Category: Male-to-male sexual contact accounted for the highest number (236, 49.6%) of diagnoses.

#### People living with Diagnosed HIV

At the end of 2019, there were 12,846 people living with diagnosed HIV in the Washington Metropolitan Region. Data presented below describe people living with diagnosed HIV, aged 13 years and older, in the Washington Metropolitan Region.

- Geographic distribution: Prince George's county accounted for the highest number (7,926, 62.6%) of people living with diagnosed HIV, as well as the highest rate (1,041.5).
- Age: Persons aged 40-59 years accounted for the highest number (6,460, 50.9%) of people living with diagnosed HIV. The highest rate was among 50-59-year-olds (982.0).
- Sex at Birth: Males accounted for the highest number (8,374, 66.1%) of people living with diagnosed HIV. The rate among males was 845.6 and 397.8 among females.
- Race/Ethnicity: Non-Hispanic Blacks accounted for the highest number (9,536, 75.3%) of the people living with diagnosed HIV, as well as the highest rate (1,288.4).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (5,712, 45.1%) of the total people living with diagnosed HIV.

#### Engagement in HIV Care

- HIV diagnosed: Among people living with HIV in the Washington Metropolitan Region it is estimated that 89.2% have been diagnosed, while an estimated 1,534 people with HIV in the region remain undiagnosed.
- Linked to care: During 2019, 86.9% of reported HIV diagnoses were linked to HIV care within one month of their HIV diagnosis.
- Retained in care: Among people living with diagnosed HIV, 78.2% were retained in care during 2019.
- Viral suppression: In 2019, 68.8% of people living with diagnosed HIV achieved viral suppression.

## Technical Notes

### HIV/AIDS Reporting

The Maryland HIV/AIDS Reporting Act of 2007 requires that people living with HIV be reported by name to the Maryland Department of Health. As per the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in the Code of Maryland Regulations (COMAR) 10.18.02, physicians are required to report patients in their care with diagnoses of HIV or AIDS and infants born to mothers living with HIV, clinical and infection control practitioners in medical and correctional facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS, and laboratory directors are required to report all HIV diagnostic and HIV-related monitoring test results, including HIV negative test results.

### Report Changes

In order to be responsive to changing data needs, the following updates have been made to this report:

- The Background Information section has been replaced with the Summary of Analyses and Technical Notes section.
- Tables describing new HIV diagnoses by geography have been restructured. All new HIV and AIDS diagnoses will appear in Table 1. All laboratory data and outcomes for new HIV diagnoses will be described in Table 2. In the county level reports, only ZIP codes with at least five new HIV diagnoses during the specified year will be included in tables describing laboratory data and outcomes.
- Tables describing people living with diagnosed HIV by sex at birth and race/ethnicity have been added to the demographics section (Section VI).
- Mean years from HIV to AIDS diagnosis and the percentage of late HIV diagnoses among AIDS diagnoses is no longer presented in tables. Aggregate disease progression data by year is presented in Figure 10.

- The population pyramids figure describing people living with diagnosed HIV by race/ethnicity, sex at birth, and age is no longer included in this report.
- The treemap figure presenting data by sex at birth, race/ethnicity, and exposure category is no longer included in this report.

### Data Specifications

Surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of data. Data are only available for people that have been diagnosed with HIV by a health care provider, were residents of Maryland at the time of diagnosis or are current residents of Maryland as of December 31, 2019, are receiving medical care (often only at facilities in Maryland), and only includes information that has been reported to the health department.

Data presented were reported to the Maryland Department of Health through June 30, 2020. Reported new diagnoses and estimates of people living with diagnosed HIV are as of December 31, 2019.

This report presents data with a six-month reporting delay. This lag allows for time to report case and laboratory data and to complete investigations. Due to reporting delays, estimates by exposure category and mortality are preliminary.

Please read all table titles and footnotes carefully to ensure a complete understanding of the displayed data.

#### New HIV Infections

The Centers for Disease Control and Prevention (CDC), using national surveillance data, estimates that the number of people living with undiagnosed HIV infection, among people living with HIV, is 13.8 percent in the United States.<sup>1</sup> Applying the same estimation method to Maryland surveillance data, the estimated number of people living with undiagnosed HIV infection in Maryland is 10.8 percent in 2018.

<sup>1</sup>Centers for Disease Control and Prevention. Estimated HIV incidence and prevalence in the United States, 2014–2018. HIV Surveillance Supplemental Report 2020;25(No. 1). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published May 2020. Accessed May 2020

### AIDS Diagnoses

CD4+ T-lymphocyte tests are measures of a person's immune system function. An adult living with diagnosed HIV is considered to have AIDS if they have less than 200 CD4+ cells per microliter of blood or if the percent of T-Lymphocyte cells that are CD4+ is less than 14 percent.

### Mortality

People are assumed to be alive unless reported as deceased to the Maryland Department of Health. Caution should be exercised when interpreting mortality estimates for recent years due to delays in reporting.

### Engagement in HIV Care

Treatment recommendations are that a person in HIV medical care should have their CD4 and viral load levels measured regularly, at least once per year. The presence of these lab tests is used as an indicator that someone has been "linked to care" after diagnosis or is "retained in care."

### Viral Suppression

Viral load tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Low levels of viral load, such as less than 200 copies per milliliter of blood, is known as viral suppression. Estimates of viral suppression among people living with diagnosed HIV are inclusive of people diagnosed in the specified year; therefore, they may not have had sufficient time to engage in HIV care and/or achieve viral suppression.

### Geographic Distribution

Residence at diagnosis is used exclusively to describe new HIV and AIDS diagnoses. Estimates describing the number of people living with diagnosed HIV use current residence. Current residence estimates are restricted to people for which there is a case report form or laboratory test reported since January 1, 2009. Restricting address data to recent years presents the most accurate data available and helps to account for people that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes people that may still be residents of Maryland but have not received any HIV care since prior to 2009.

In addition, residence is dynamic and people living with diagnosed HIV may have resided at multiple addresses that cannot all be represented in single time point estimates.

### Residents of Correctional Facilities

People living with diagnosed HIV who were reported to be residing in a state or federal prison will be described for Maryland only. For surveillance purposes, pre- or post-incarceration residential addresses are used for people living with diagnosed HIV who were incarcerated in local jails and detention centers.

### Gender Identity

This epidemiological profile describes people by gender identity. Gender identity is one's internal understanding of one's own gender or the gender with which a person identifies. Historically, it has been difficult to present data by gender identity. No reliable system exists for collecting or reporting gender identity and some agencies do not collect or have complete data on gender identity. This report is likely underreporting the number gender diverse people (defined as people who have a gender identity or gender expression that differs from their assigned sex at birth) living with diagnosed HIV because of challenges in accurately identifying and reporting gender identity in HIV surveillance.

### Race/Ethnicity

The completeness of reporting for race/ethnicity is variable in surveillance data. Definitions of race/ethnicity categories may vary across agencies and some agencies do not collect or have complete data on race/ethnicity.

### Country of Birth

The completeness of reporting a person's country of birth is variable in surveillance data. Not all agencies collect or have complete data on nativity. In addition, some individuals may immigrate to the U.S. with HIV. HIV testing data from other countries is often unavailable for these people; therefore, they are counted as a new diagnosis following their first HIV related lab test in the United States, even if they were first diagnosed elsewhere.

### HIV Exposure Categories

The CDC developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who report a history of sexual contact with other men and report injection drug use constitutes a separate transmission category.

### Sources of Data

Information on HIV and AIDS diagnoses, including residence, age, race/ethnicity, sex at birth, current gender, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health's Enhanced HIV/AIDS Reporting System (eHARS), as of June 30, 2020.

Population data by sex, age, and race/ethnicity are from the July 1, 2019 U.S. Census Estimates. Population data by country-of-birth are from the Census Bureau's 2018 American Community Survey. This produces a difference in total population due to the different source. Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

### Tabulation of Column Totals

Numbers in figures, tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

### Data Suppression

In order to protect the confidentiality of people living with diagnosed HIV, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than five people.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

Tables presenting clinical/laboratory information for reported new diagnoses by ZIP code will present only ZIP codes with at least five people.

Exposure/risk data is not suppressed due to statistical adjustments resulting in the presentation of estimated or probable risk.

### Multiple Imputation

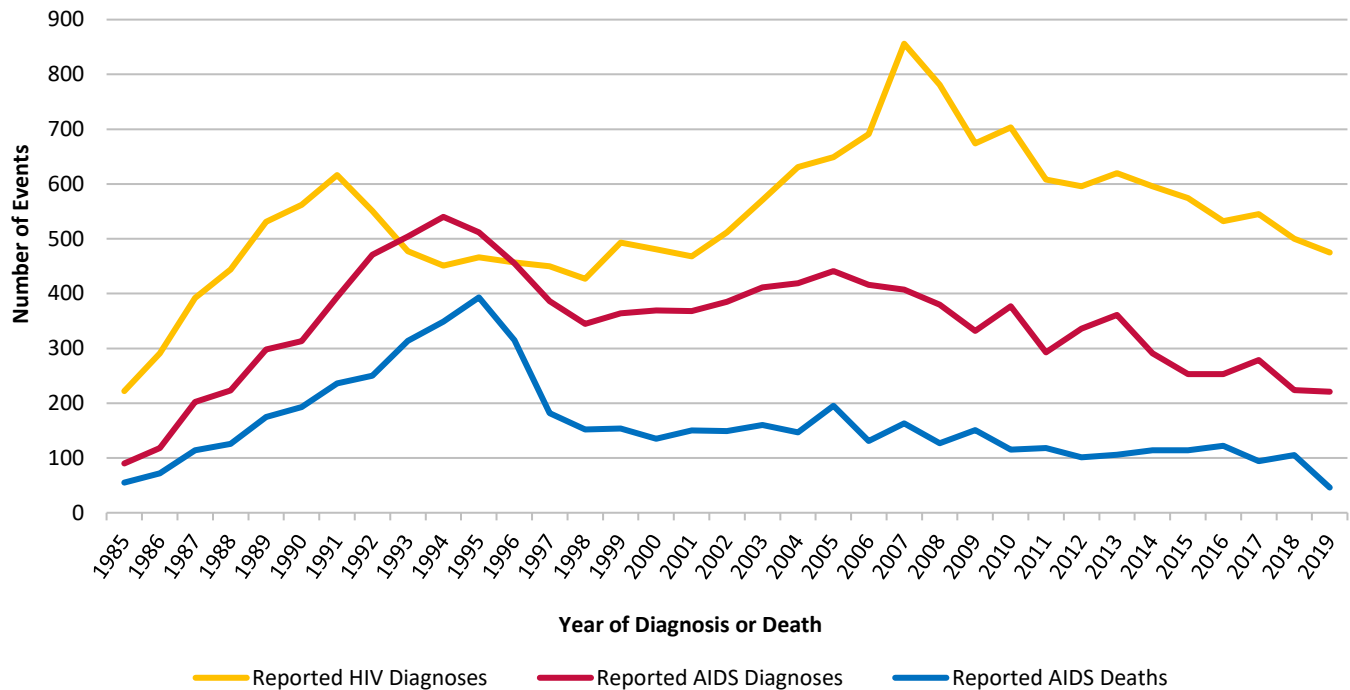
Not all exposure data is reported and is therefore missing in some instances. Multiple imputation is a statistical method by which missing exposure categories are replaced with estimated or probable exposure categories. Perinatal transmission and other exposure categories are never estimated or adjusted and depict the reported exposure category.



## Section II – Trends 1985-2019

**Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, Among Residents at Diagnosis, 1985-2019, Reported through June 30, 2020**

People Diagnosed with HIV (Reported HIV Diagnoses) by Year of HIV Diagnosis, People Diagnosed with HIV with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and People Diagnosed with HIV with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2019, as Reported through June 30, 2020

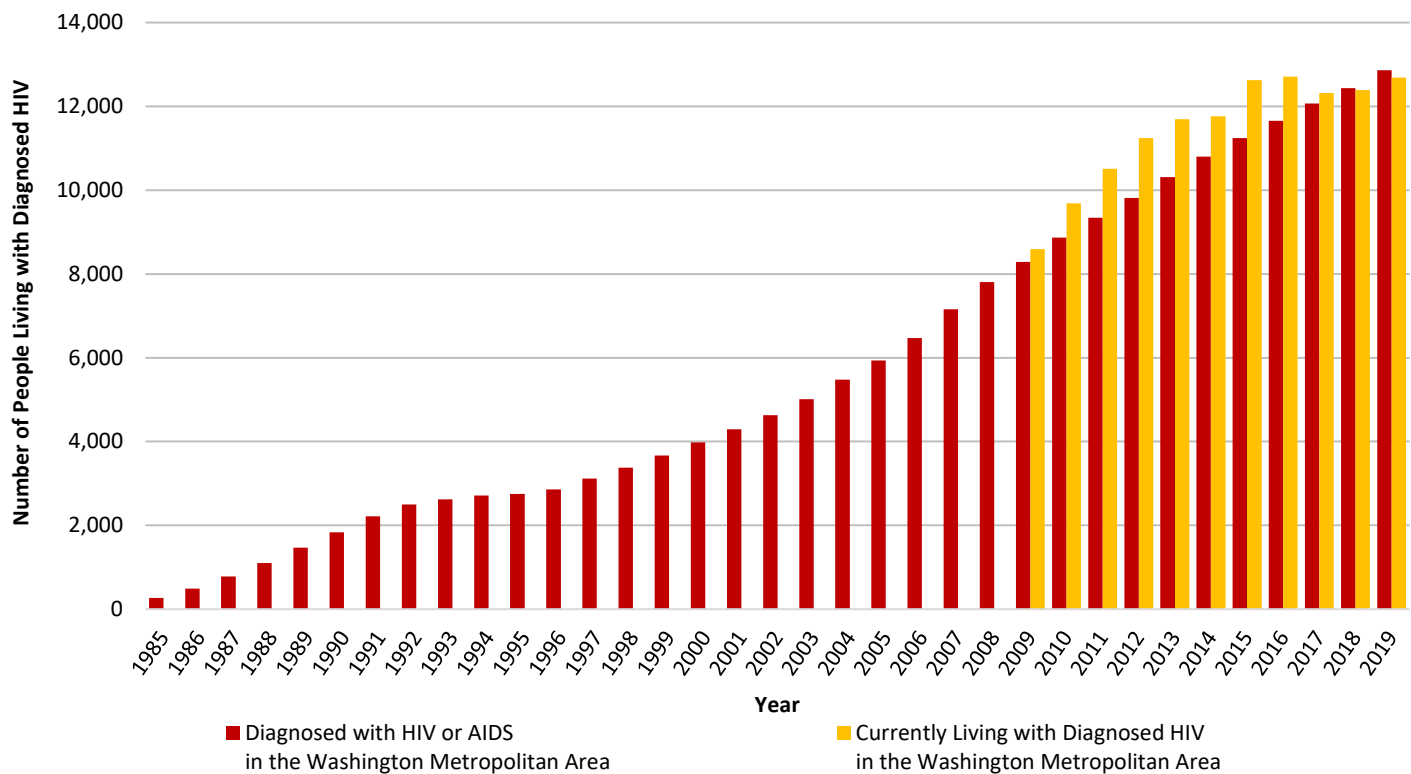


Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths	Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths
<1985	222	90	55	2002	512	385	149
1985	291	118	72	2003	571	411	160
1986	392	202	114	2004	631	419	147
1987	444	223	126	2005	649	441	195
1988	531	298	175	2006	691	416	131
1989	562	313	193	2007	856	407	163
1990	616	394	236	2008	781	380	127
1991	551	471	250	2009	674	332	151
1992	477	504	314	2010	703	377	115
1993	451	540	349	2011	608	293	118
1994	466	512	393	2012	596	336	101
1995	457	455	315	2013	620	361	106
1996	450	386	182	2014	596	291	114
1997	427	345	152	2015	574	253	114
1998	493	364	154	2016	532	253	122
1999	481	369	135	2017	545	279	94
2000	468	368	150	2018*	500	224	105
2001	222	90	55	2019*	475	221	46
Total					19,019	12,093	5,652

\*2018-2019 reported AIDS deaths are preliminary

**Figure 2 – Trends in People Living with Diagnosed HIV, Among Residents at Diagnosis, 1985-2019, Reported through June 30, 2020**

People Living with Diagnosed HIV in the Washington Metropolitan Region and Not Reported to have Died as of December 31st of Each Year (People who were Diagnosed with HIV or AIDS in the Washington Metropolitan Region and/or People who are Currently Living with Diagnosed HIV in the Washington Metropolitan Region from 1985 through 2019, as Reported through June 30, 2020.

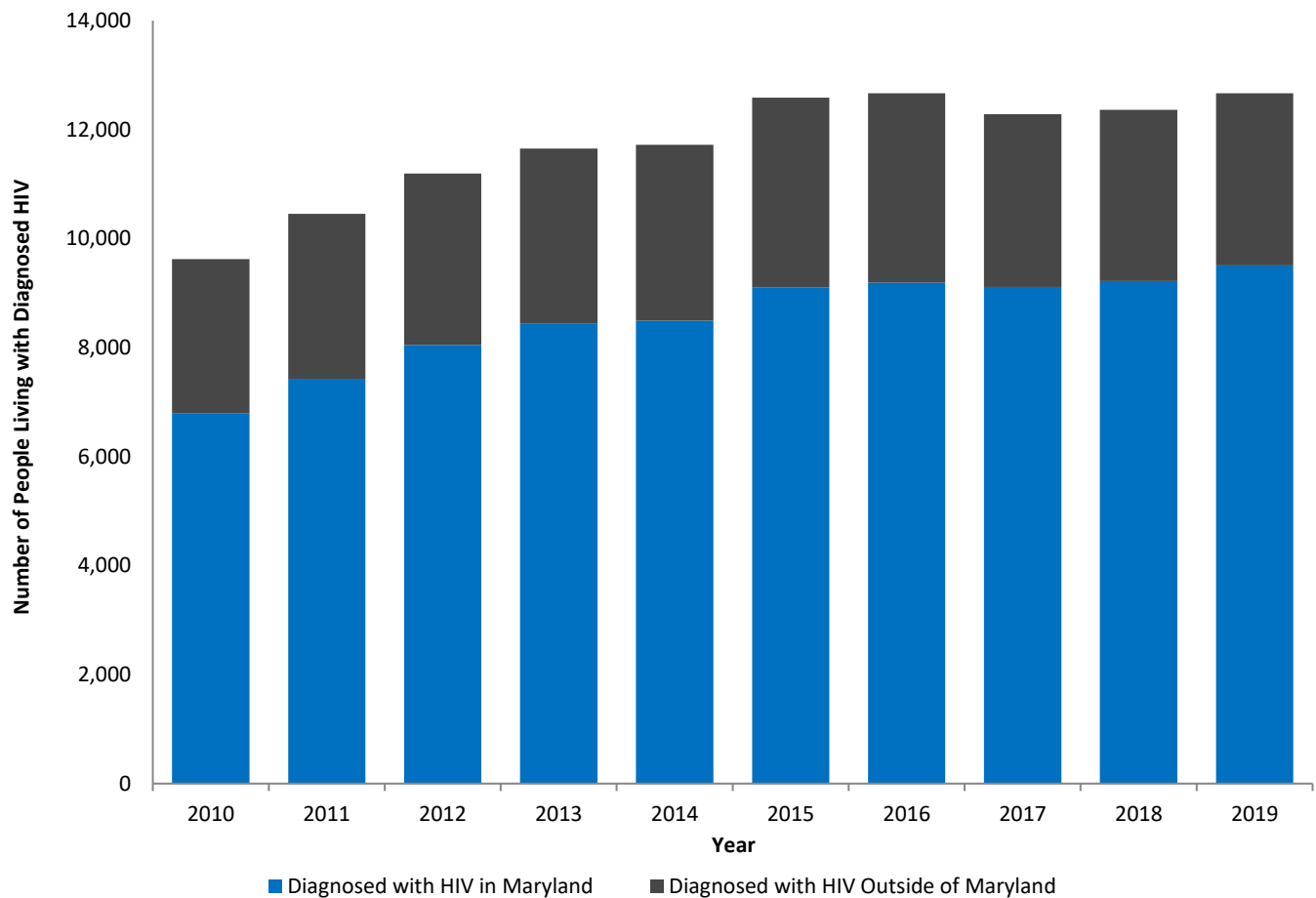


People Living with Diagnosed HIV			People Living with Diagnosed HIV		
Year	Diagnosed with HIV or AIDS in the Washington Metropolitan Region	Current Residents	Year	Diagnosed with HIV or AIDS in the Washington Metropolitan Region	Current Residents
1985	272	--	2003	5,010	--
1986	491	--	2004	5,478	--
1987	780	--	2005	5,934	--
1988	1,100	--	2006	6,470	--
1989	1,468	--	2007	7,156	--
1990	1,833	--	2008	7,804	--
1991	2,213	--	2009	8,288	8,594
1992	2,497	--	2010	8,867	9,683
1993	2,622	--	2011	9,342	10,512
1994	2,709	--	2012	9,812	11,241
1995	2,752	--	2013	10,314	11,695
1996	2,860	--	2014	10,803	11,763
1997	3,118	--	2015	11,242	12,624
1998	3,375	--	2016	11,655	12,709
1999	3,666	--	2017	12,070	12,318
2000	3,984	--	2018	12,437	12,390
2001	4,291	--	2019	12,863	12,689
2002	4,631	--			

Note. Current residence for people living with diagnosed HIV is unavailable prior to 2009.

### Figure 3 – Trends in People Aged 13+ Living with Diagnosed HIV, Among Current Residents, 2010-2019, Reported through June 30, 2020

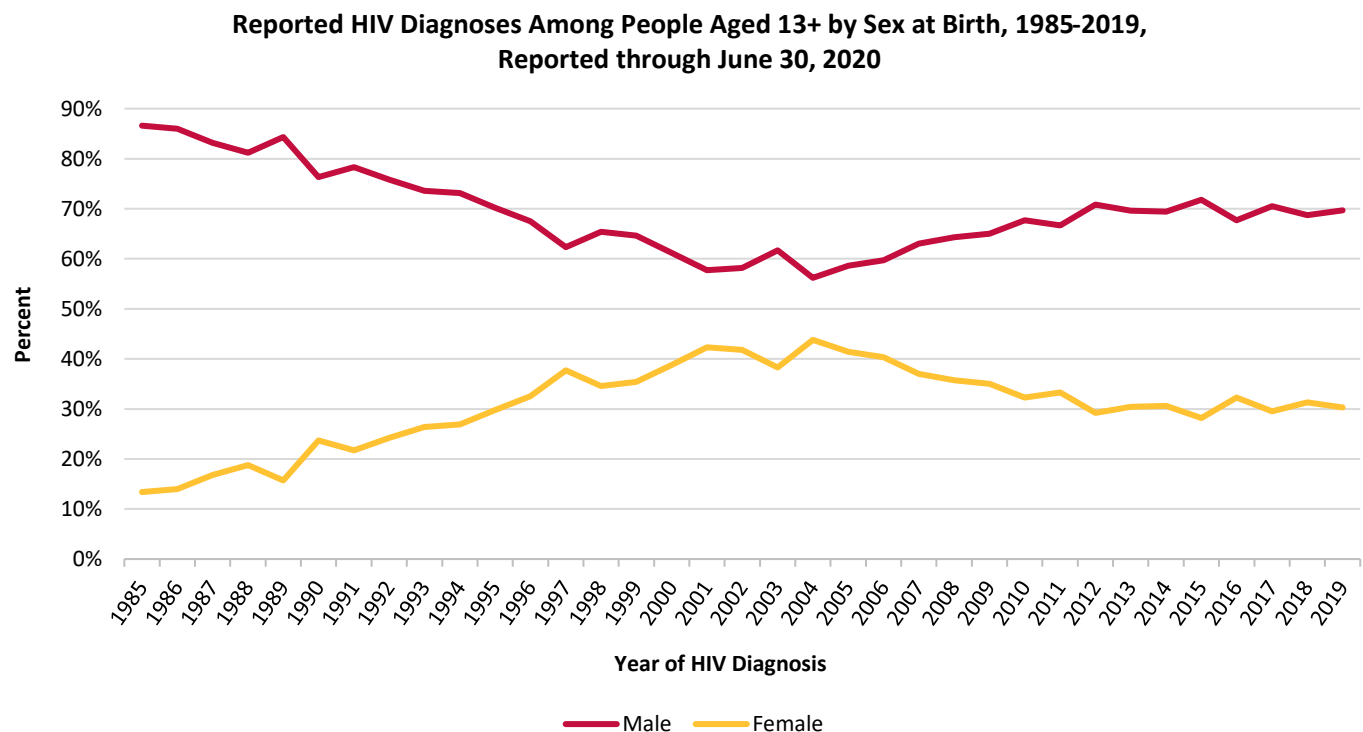
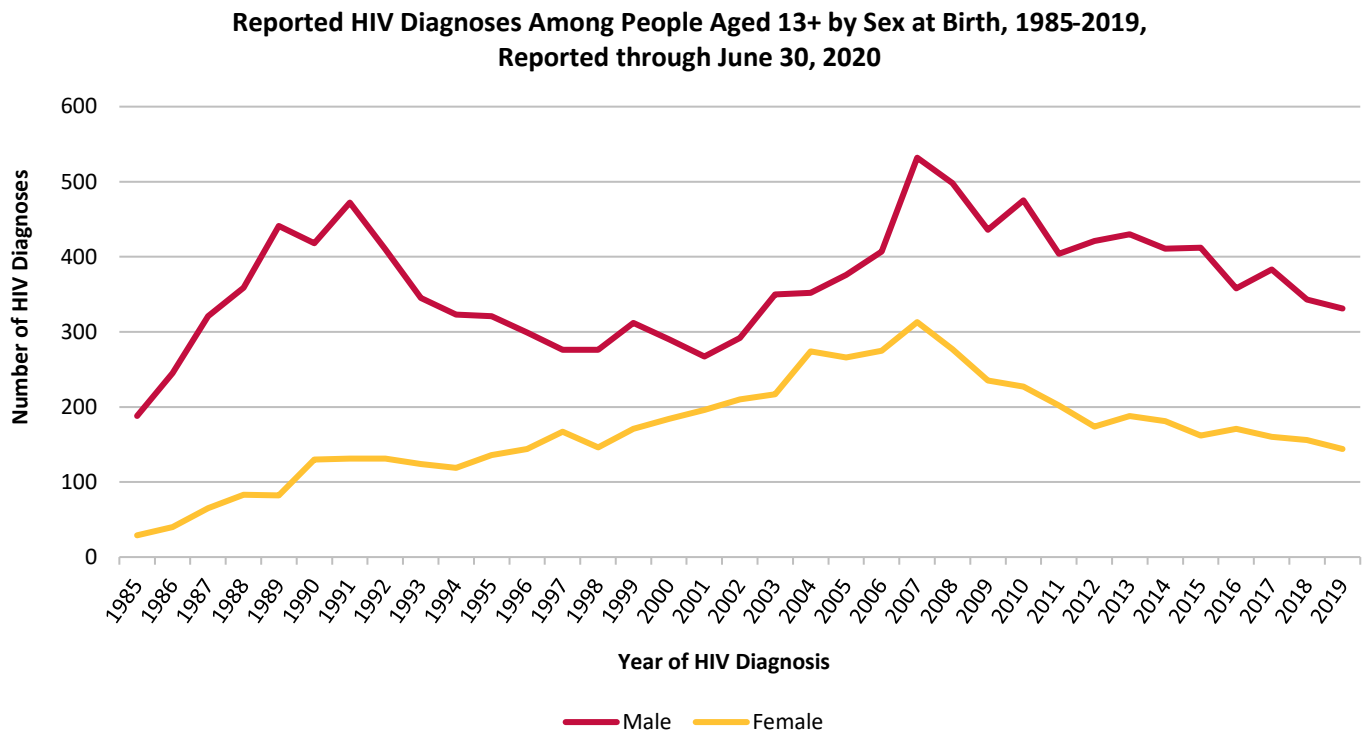
People Living with Diagnosed HIV in the Washington Metropolitan Region and Not Reported to have Died as of December 31<sup>st</sup> of Each Year from 2010 through 2019, as Reported through June 30, 2020



Year	Population Age 13+	Washington Metropolitan Region Residents Aged 13+ as of December 31st of the Specified Year			
		Diagnosed with HIV in Maryland	Diagnosed with HIV Outside of Maryland	Total	Rate
2010	1,914,489	6,799	2,826	9,625	502.7
2011	1,941,706	7,428	3,029	10,457	538.5
2012	1,966,618	8,048	3,146	11,194	569.2
2013	1,987,792	8,436	3,219	11,655	586.3
2014	2,006,162	8,492	3,230	11,722	584.3
2015	2,023,316	9,110	3,479	12,589	622.2
2016	2,035,404	9,193	3,476	12,669	622.4
2017	2,050,401	9,111	3,170	12,281	599.0
2018	2,059,748	9,225	3,137	12,362	600.2
2019	2,069,467	9,506	3,161	12,667	612.1

## Figure 4 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, by Sex at Birth, 1985-2019, Reported through June 30, 2020

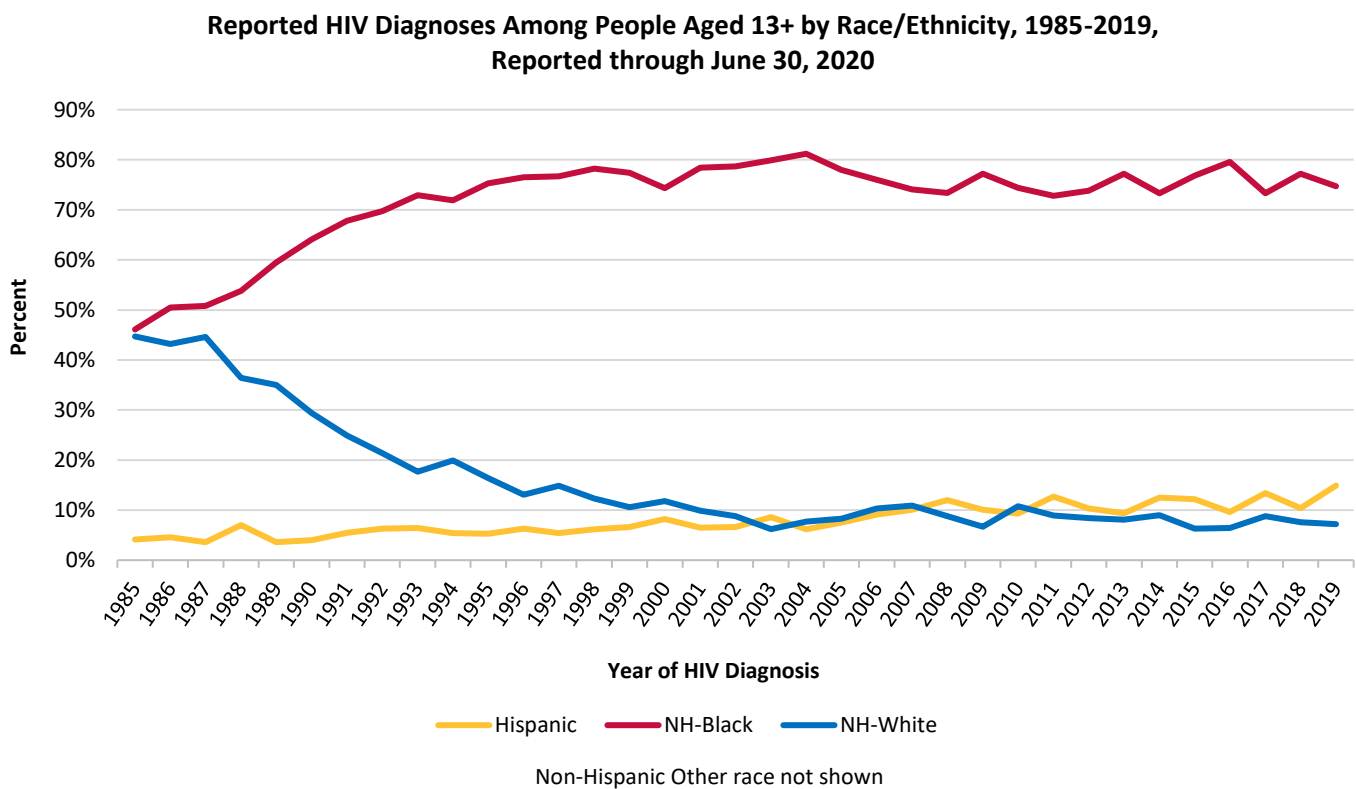
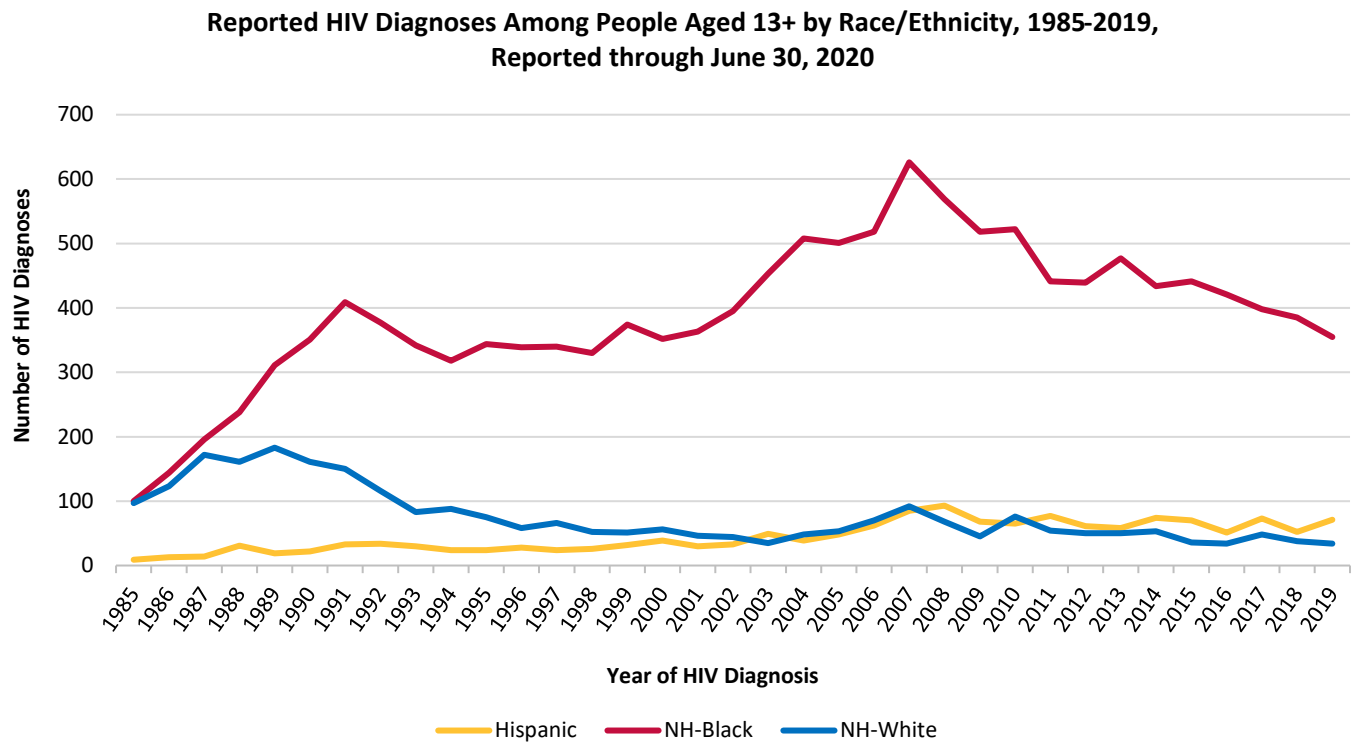
Number and Percent by Sex at Birth of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020



Reported HIV Diagnoses Among People Aged 13+					
Year of HIV Diagnosis	Number	Sex at Birth			
		Male		Female	
		Number	Percent	Number	Percent
<1985	123	112	91.1%	11	8.9%
1985	217	188	86.6%	29	13.4%
1986	285	245	86.0%	40	14.0%
1987	386	321	83.2%	65	16.8%
1988	442	359	81.2%	83	18.8%
1989	523	441	84.3%	82	15.7%
1990	548	418	76.3%	130	23.7%
1991	603	472	78.3%	131	21.7%
1992	541	410	75.8%	131	24.2%
1993	469	345	73.6%	124	26.4%
1994	442	323	73.1%	119	26.9%
1995	457	321	70.2%	136	29.8%
1996	443	299	67.5%	144	32.5%
1997	443	276	62.3%	167	37.7%
1998	422	276	65.4%	146	34.6%
1999	483	312	64.6%	171	35.4%
2000	474	290	61.2%	184	38.8%
2001	463	267	57.7%	196	42.3%
2002	502	292	58.2%	210	41.8%
2003	567	350	61.7%	217	38.3%
2004	626	352	56.2%	274	43.8%
2005	642	376	58.6%	266	41.4%
2006	682	407	59.7%	275	40.3%
2007	845	532	63.0%	313	37.0%
2008	775	498	64.3%	277	35.7%
2009	671	436	65.0%	235	35.0%
2010	702	475	67.7%	227	32.3%
2011	606	404	66.7%	202	33.3%
2012	595	421	70.8%	174	29.2%
2013	618	430	69.6%	188	30.4%
2014	592	411	69.4%	181	30.6%
2015	574	412	71.8%	162	28.2%
2016	529	358	67.7%	171	32.3%
2017	543	383	70.5%	160	29.5%
2018	499	343	68.7%	156	31.3%
2019	475	331	69.7%	144	30.3%
Total	18,807	12,886	68.5%	5,921	31.5%

**Figure 5 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, by Race/Ethnicity, 1985-2019, Reported through June 30, 2020**

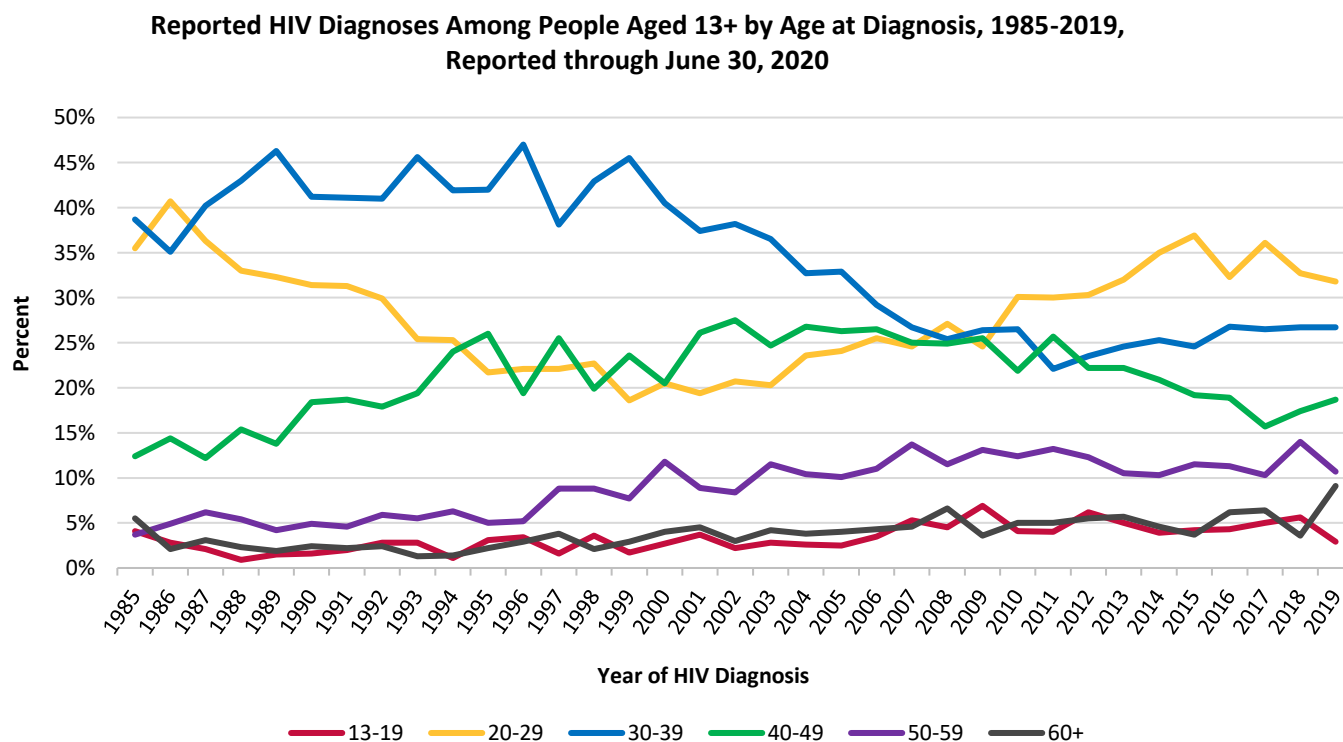
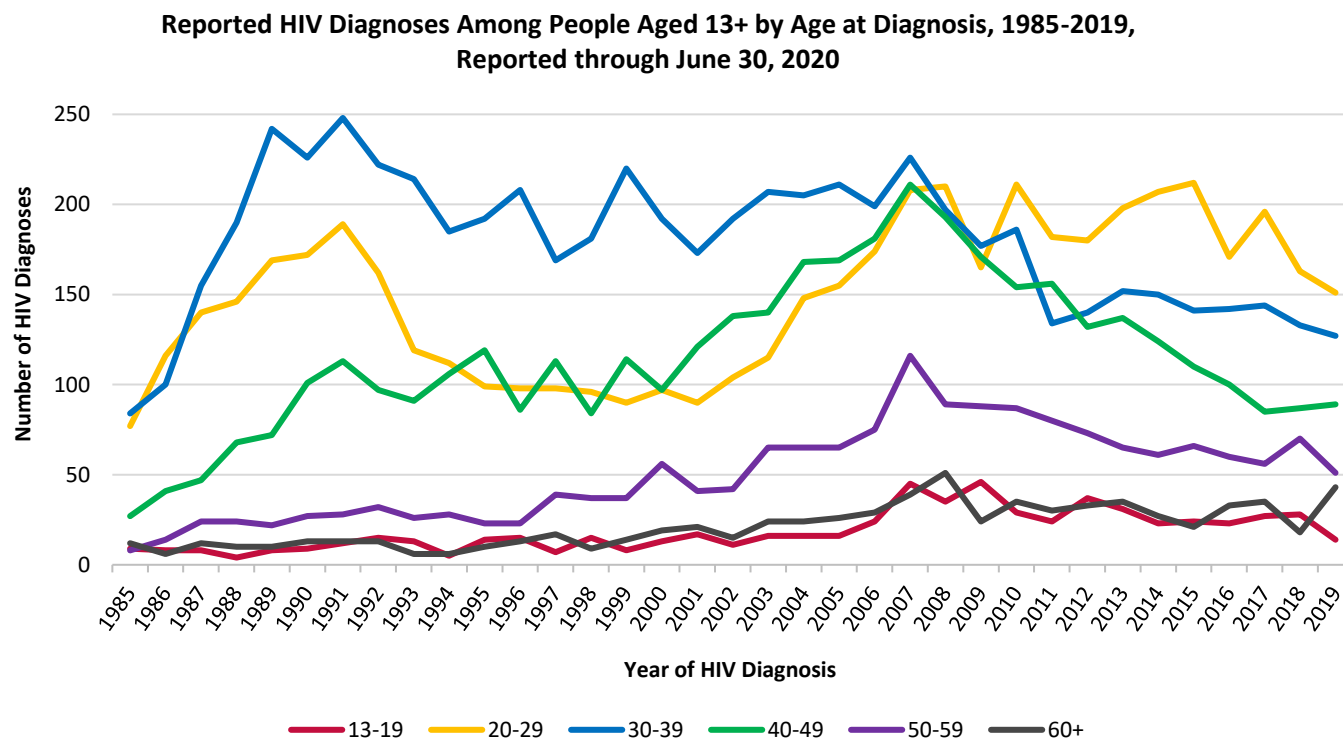
Number and Percent by Race/Ethnicity of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020



Reported HIV Diagnoses Among People Aged 13+									
Year of HIV Diagnosis	No.	Race/Ethnicity							
		Hispanic		Non-Hispanic Black, only		Non-Hispanic White, only		Non-Hispanic Other Race	
		No.	%	No.	%	No.	%	No.	%
<1985	123	4	3.3%	70	56.9%	43	35.0%	6	4.9%
1985	217	9	4.1%	100	46.1%	97	44.7%	11	5.1%
1986	285	13	4.6%	144	50.5%	123	43.2%	5	1.8%
1987	386	14	3.6%	196	50.8%	172	44.6%	4	1.0%
1988	442	31	7.0%	238	53.8%	161	36.4%	12	2.7%
1989	523	19	3.6%	311	59.5%	183	35.0%	10	1.9%
1990	548	22	4.0%	351	64.1%	161	29.4%	14	2.6%
1991	603	33	5.5%	409	67.8%	150	24.9%	11	1.8%
1992	541	34	6.3%	377	69.7%	116	21.4%	14	2.6%
1993	469	30	6.4%	342	72.9%	83	17.7%	14	3.0%
1994	442	24	5.4%	318	71.9%	88	19.9%	12	2.7%
1995	457	24	5.3%	344	75.3%	75	16.4%	14	3.1%
1996	443	28	6.3%	339	76.5%	58	13.1%	18	4.1%
1997	443	24	5.4%	340	76.7%	66	14.9%	13	2.9%
1998	422	26	6.2%	330	78.2%	52	12.3%	14	3.3%
1999	483	32	6.6%	374	77.4%	51	10.6%	26	5.4%
2000	474	39	8.2%	352	74.3%	56	11.8%	27	5.7%
2001	463	30	6.5%	363	78.4%	46	9.9%	24	5.2%
2002	502	33	6.6%	395	78.7%	44	8.8%	30	6.0%
2003	567	49	8.6%	453	79.9%	35	6.2%	30	5.3%
2004	626	39	6.2%	508	81.2%	48	7.7%	31	5.0%
2005	642	48	7.5%	501	78.0%	53	8.3%	40	6.2%
2006	682	62	9.1%	518	76.0%	70	10.3%	32	4.7%
2007	845	85	10.1%	626	74.1%	92	10.9%	42	5.0%
2008	775	93	12.0%	569	73.4%	68	8.8%	45	5.8%
2009	671	68	10.1%	518	77.2%	45	6.7%	40	6.0%
2010	702	65	9.3%	522	74.4%	76	10.8%	39	5.6%
2011	606	77	12.7%	441	72.8%	54	8.9%	34	5.6%
2012	595	61	10.3%	439	73.8%	50	8.4%	45	7.6%
2013	618	58	9.4%	477	77.2%	50	8.1%	33	5.3%
2014	592	74	12.5%	434	73.3%	53	9.0%	31	5.2%
2015	574	70	12.2%	441	76.8%	36	6.3%	27	4.7%
2016	529	51	9.6%	421	79.6%	34	6.4%	23	4.3%
2017	543	73	13.4%	398	73.3%	48	8.8%	24	4.4%
2018	499	52	10.4%	385	77.2%	38	7.6%	24	4.8%
2019	475	71	14.9%	355	74.7%	34	7.2%	15	3.2%
Total	18,807	1,565	8.3%	13,699	72.8%	2,709	14.4%	834	4.4%

**Figure 6 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, 1985-2019, Reported through June 30, 2020**

Number and Percent by Age at HIV Diagnosis of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020

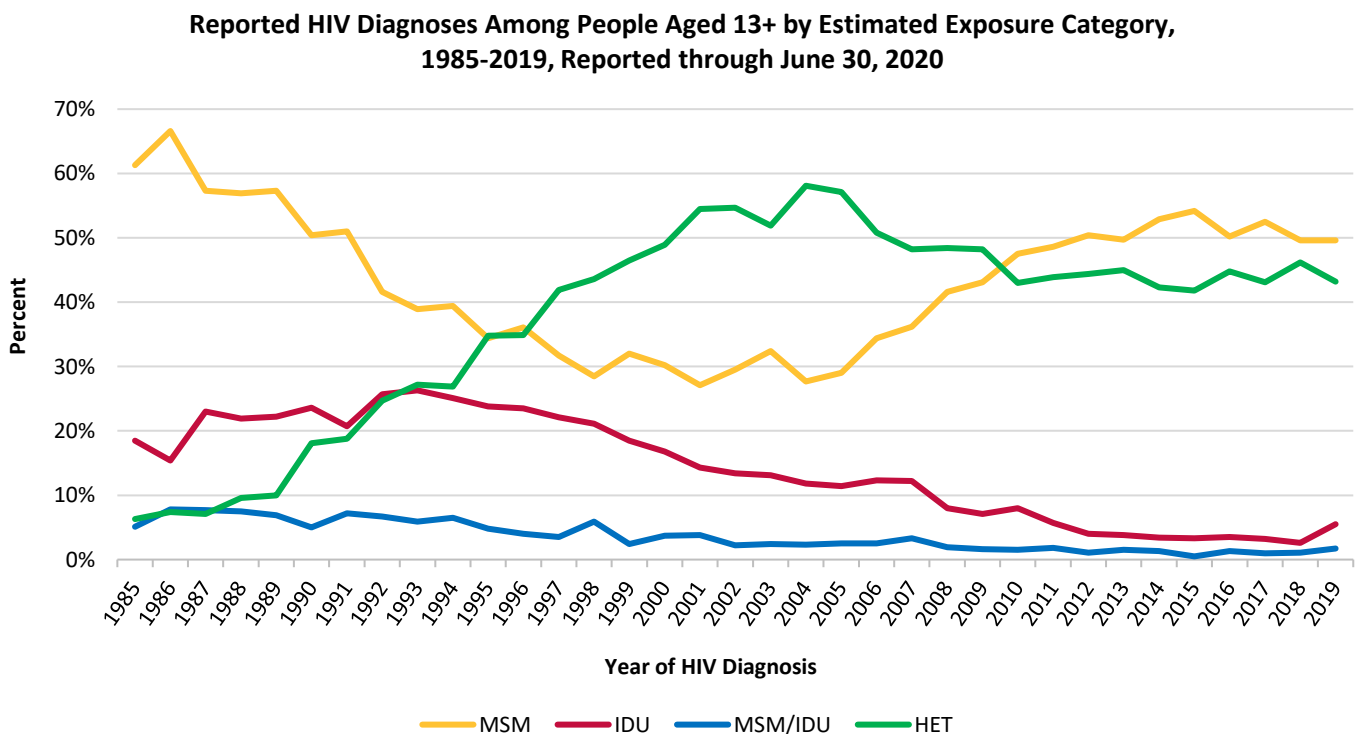
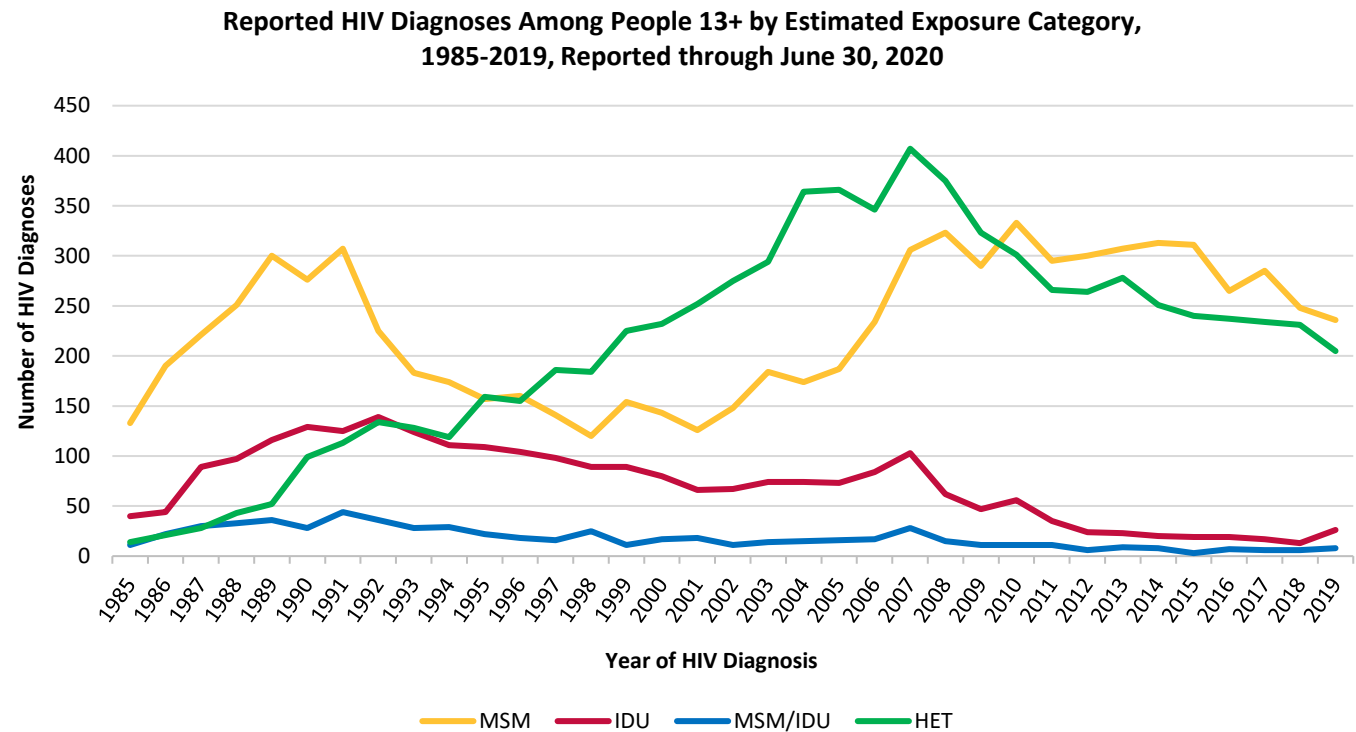




Reported HIV Diagnoses Among People Aged 13+													
Year of HIV Diagnosis	No.	Age at HIV Diagnosis											
		13-19		20-29		30-39		40-49		50-59		60+	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1985	123	13	10.6%	45	36.6%	37	30.1%	21	17.1%	4	3.3%	3	2.4%
1985	217	9	4.1%	77	35.5%	84	38.7%	27	12.4%	8	3.7%	12	5.5%
1986	285	8	2.8%	116	40.7%	100	35.1%	41	14.4%	14	4.9%	6	2.1%
1987	386	8	2.1%	140	36.3%	155	40.2%	47	12.2%	24	6.2%	12	3.1%
1988	442	4	0.9%	146	33.0%	190	43.0%	68	15.4%	24	5.4%	10	2.3%
1989	523	8	1.5%	169	32.3%	242	46.3%	72	13.8%	22	4.2%	10	1.9%
1990	548	9	1.6%	172	31.4%	226	41.2%	101	18.4%	27	4.9%	13	2.4%
1991	603	12	2.0%	189	31.3%	248	41.1%	113	18.7%	28	4.6%	13	2.2%
1992	541	15	2.8%	162	29.9%	222	41.0%	97	17.9%	32	5.9%	13	2.4%
1993	469	13	2.8%	119	25.4%	214	45.6%	91	19.4%	26	5.5%	6	1.3%
1994	442	5	1.1%	112	25.3%	185	41.9%	106	24.0%	28	6.3%	6	1.4%
1995	457	14	3.1%	99	21.7%	192	42.0%	119	26.0%	23	5.0%	10	2.2%
1996	443	15	3.4%	98	22.1%	208	47.0%	86	19.4%	23	5.2%	13	2.9%
1997	443	7	1.6%	98	22.1%	169	38.1%	113	25.5%	39	8.8%	17	3.8%
1998	422	15	3.6%	96	22.7%	181	42.9%	84	19.9%	37	8.8%	9	2.1%
1999	483	8	1.7%	90	18.6%	220	45.5%	114	23.6%	37	7.7%	14	2.9%
2000	474	13	2.7%	97	20.5%	192	40.5%	97	20.5%	56	11.8%	19	4.0%
2001	463	17	3.7%	90	19.4%	173	37.4%	121	26.1%	41	8.9%	21	4.5%
2002	502	11	2.2%	104	20.7%	192	38.2%	138	27.5%	42	8.4%	15	3.0%
2003	567	16	2.8%	115	20.3%	207	36.5%	140	24.7%	65	11.5%	24	4.2%
2004	626	16	2.6%	148	23.6%	205	32.7%	168	26.8%	65	10.4%	24	3.8%
2005	642	16	2.5%	155	24.1%	211	32.9%	169	26.3%	65	10.1%	26	4.0%
2006	682	24	3.5%	174	25.5%	199	29.2%	181	26.5%	75	11.0%	29	4.3%
2007	845	45	5.3%	208	24.6%	226	26.7%	211	25.0%	116	13.7%	39	4.6%
2008	775	35	4.5%	210	27.1%	197	25.4%	193	24.9%	89	11.5%	51	6.6%
2009	671	46	6.9%	165	24.6%	177	26.4%	171	25.5%	88	13.1%	24	3.6%
2010	702	29	4.1%	211	30.1%	186	26.5%	154	21.9%	87	12.4%	35	5.0%
2011	606	24	4.0%	182	30.0%	134	22.1%	156	25.7%	80	13.2%	30	5.0%
2012	595	37	6.2%	180	30.3%	140	23.5%	132	22.2%	73	12.3%	33	5.5%
2013	618	31	5.0%	198	32.0%	152	24.6%	137	22.2%	65	10.5%	35	5.7%
2014	592	23	3.9%	207	35.0%	150	25.3%	124	20.9%	61	10.3%	27	4.6%
2015	574	24	4.2%	212	36.9%	141	24.6%	110	19.2%	66	11.5%	21	3.7%
2016	529	23	4.3%	171	32.3%	142	26.8%	100	18.9%	60	11.3%	33	6.2%
2017	543	27	5.0%	196	36.1%	144	26.5%	85	15.7%	56	10.3%	35	6.4%
2018	499	28	5.6%	163	32.7%	133	26.7%	87	17.4%	70	14.0%	18	3.6%
2019	475	14	2.9%	151	31.8%	127	26.7%	89	18.7%	51	10.7%	43	9.1%
Total	18,807	662	3.5%	5,265	28.0%	6,301	33.5%	4,063	21.6%	1,767	9.4%	749	4.0%

## Figure 7 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, by Estimated Exposure Category, 1985-2019, Reported through June 30, 2020

Number and Percent by Estimated Exposure Category<sup>§</sup> of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020



Other exposure category not shown

§ Multiple imputation was used to estimate and adjust for missing exposure category.

Year of HIV Diagnosis	Reported HIV Diagnoses Among People Aged 13+											
	No.	% with No Reported Exposure <sup>x</sup>	Estimated Exposure Category <sup>§</sup>									
			MSM		IDU		MSM/IDU		HET		Other Exposure	
			No.	%	No.	%	No.	%	No.	%	No.	%
<1985	123	8.9%	84	68.2%	16	13.2%	10	8.5%	9	6.9%	4	3.3%
1985	217	6.9%	133	61.3%	40	18.5%	11	5.1%	14	6.3%	19	8.8%
1986	285	3.9%	190	66.6%	44	15.4%	22	7.8%	21	7.4%	8	2.8%
1987	386	3.6%	221	57.3%	89	23.0%	30	7.7%	28	7.1%	19	4.9%
1988	442	6.3%	251	56.9%	97	21.9%	33	7.5%	43	9.6%	18	4.1%
1989	523	7.3%	300	57.3%	116	22.2%	36	6.9%	52	10.0%	19	3.6%
1990	548	4.9%	276	50.4%	129	23.6%	28	5.0%	99	18.1%	16	2.9%
1991	603	7.3%	307	51.0%	125	20.7%	44	7.2%	113	18.8%	14	2.3%
1992	541	10.9%	225	41.6%	139	25.7%	36	6.7%	134	24.7%	7	1.3%
1993	469	9.2%	183	38.9%	124	26.3%	28	5.9%	128	27.2%	8	1.7%
1994	442	9.3%	174	39.4%	111	25.1%	29	6.5%	119	26.9%	9	2.0%
1995	457	12.3%	157	34.4%	109	23.8%	22	4.8%	159	34.8%	10	2.2%
1996	443	15.6%	160	36.1%	104	23.5%	18	4.0%	155	34.9%	7	1.6%
1997	443	15.3%	141	31.7%	98	22.1%	16	3.5%	186	41.9%	3	0.7%
1998	422	18.2%	120	28.5%	89	21.1%	25	5.9%	184	43.6%	4	0.9%
1999	483	15.7%	154	32.0%	89	18.5%	11	2.4%	225	46.5%	3	0.6%
2000	474	17.9%	143	30.2%	80	16.8%	17	3.7%	232	48.9%	2	0.4%
2001	463	16.8%	126	27.1%	66	14.3%	18	3.8%	252	54.5%	1	0.2%
2002	502	13.5%	148	29.5%	67	13.4%	11	2.2%	275	54.7%	1	0.2%
2003	567	13.8%	184	32.4%	74	13.1%	14	2.4%	294	51.9%	1	0.2%
2004	626	19.8%	174	27.7%	74	11.8%	15	2.3%	364	58.1%	0	0.0%
2005	642	21.3%	187	29.0%	73	11.4%	16	2.5%	366	57.1%	0	0.0%
2006	682	28.2%	234	34.4%	84	12.3%	17	2.5%	346	50.8%	0	0.0%
2007	845	30.5%	306	36.2%	103	12.2%	28	3.3%	407	48.2%	1	0.1%
2008	775	37.2%	323	41.6%	62	8.0%	15	1.9%	375	48.4%	0	0.0%
2009	671	37.1%	290	43.1%	47	7.1%	11	1.6%	323	48.2%	0	0.0%
2010	702	38.3%	333	47.5%	56	8.0%	11	1.5%	301	43.0%	0	0.0%
2011	606	38.4%	295	48.6%	35	5.7%	11	1.8%	266	43.9%	0	0.0%
2012	595	24.9%	300	50.4%	24	4.0%	6	1.1%	264	44.4%	1	0.2%
2013	618	21.7%	307	49.7%	23	3.8%	9	1.5%	278	45.0%	0	0.0%
2014	592	19.9%	313	52.9%	20	3.4%	8	1.3%	251	42.3%	0	0.0%
2015	574	13.2%	311	54.2%	19	3.3%	3	0.5%	240	41.8%	1	0.2%
2016	529	17.4%	265	50.2%	19	3.5%	7	1.3%	237	44.8%	1	0.2%
2017	543	18.6%	285	52.5%	17	3.2%	6	1.0%	234	43.1%	1	0.2%
2018	499	16.2%	248	49.6%	13	2.6%	6	1.1%	231	46.2%	2	0.4%
2019	475	41.5%	236	49.6%	26	5.5%	8	1.7%	205	43.2%	0	0.0%
Total	18,807	19.6%	8,084	43.0%	2,501	13.3%	636	3.4%	7,410	39.4%	180	1.0%

§ Multiple imputation was used to estimate and adjust for missing transmission category.

<sup>x</sup>Percent with no reported exposure prior to multiple imputation adjustment.

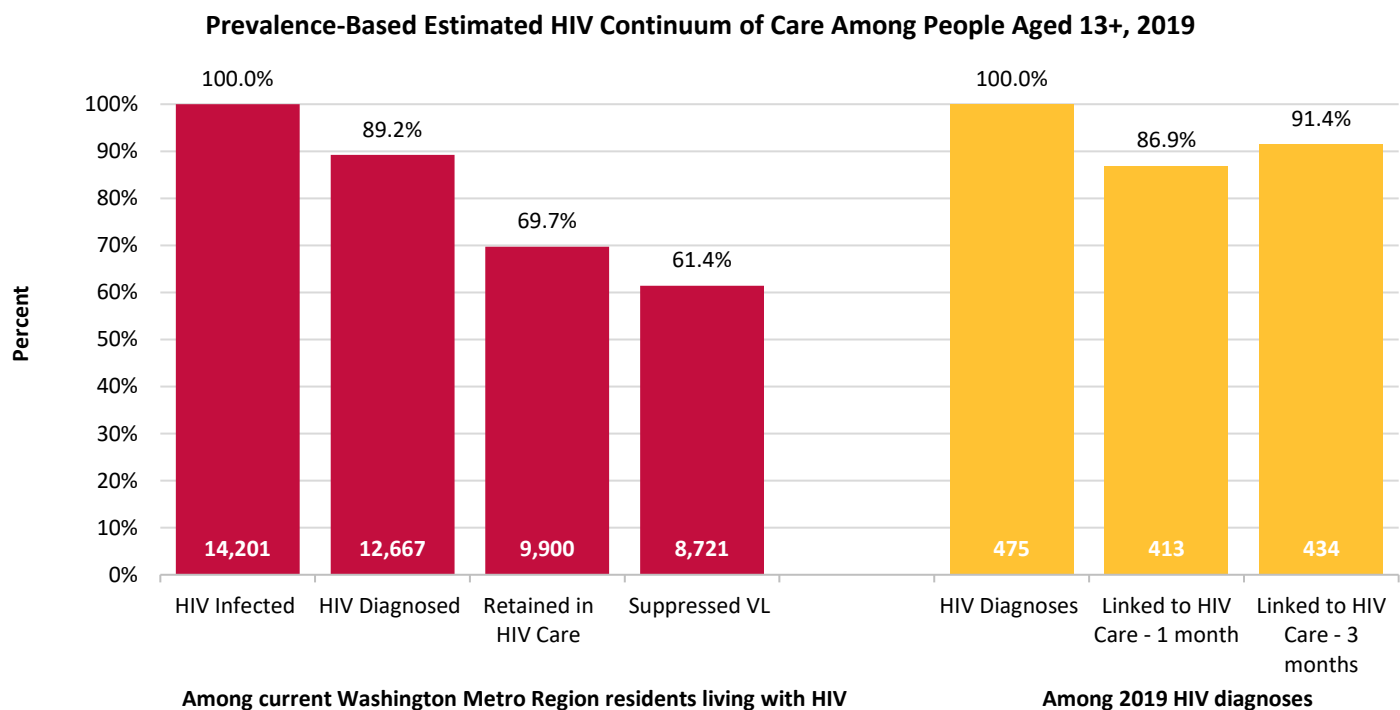
Note. Discrepancies in the table between total HIV diagnoses and the sums by exposure category are due to less than 1 percent of people missing transmission category after multiple imputation.

## Section III – Continuum of Care Cascades

In their 2011 article in Clinical Infectious Diseases, Gardner et al.<sup>1</sup> utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

**Figure 8 – Prevalence-Based Estimated 2019 HIV Continuum of Care Cascades, Among Current Washington Metropolitan Region Residents Aged 13+, Reported through June 30, 2020**

The prevalence-based Washington Metropolitan Region Engagement in HIV Care Cascades (below) apply the Centers for Disease Control and Prevention (CDC) CD4 depletion model to Maryland surveillance data, reported through June 30, 2020, to estimate the number of people living with undiagnosed HIV (10.8 percent) and the estimated number of people living with HIV currently residing in the Washington Metropolitan Region. Maryland surveillance data is then used to describe the number and percentage of persons living with HIV in the Washington Metropolitan Region on December 31, 2019 and the number and percentage of new HIV diagnoses in 2019 who belong to each of the stages of engagement in HIV care.

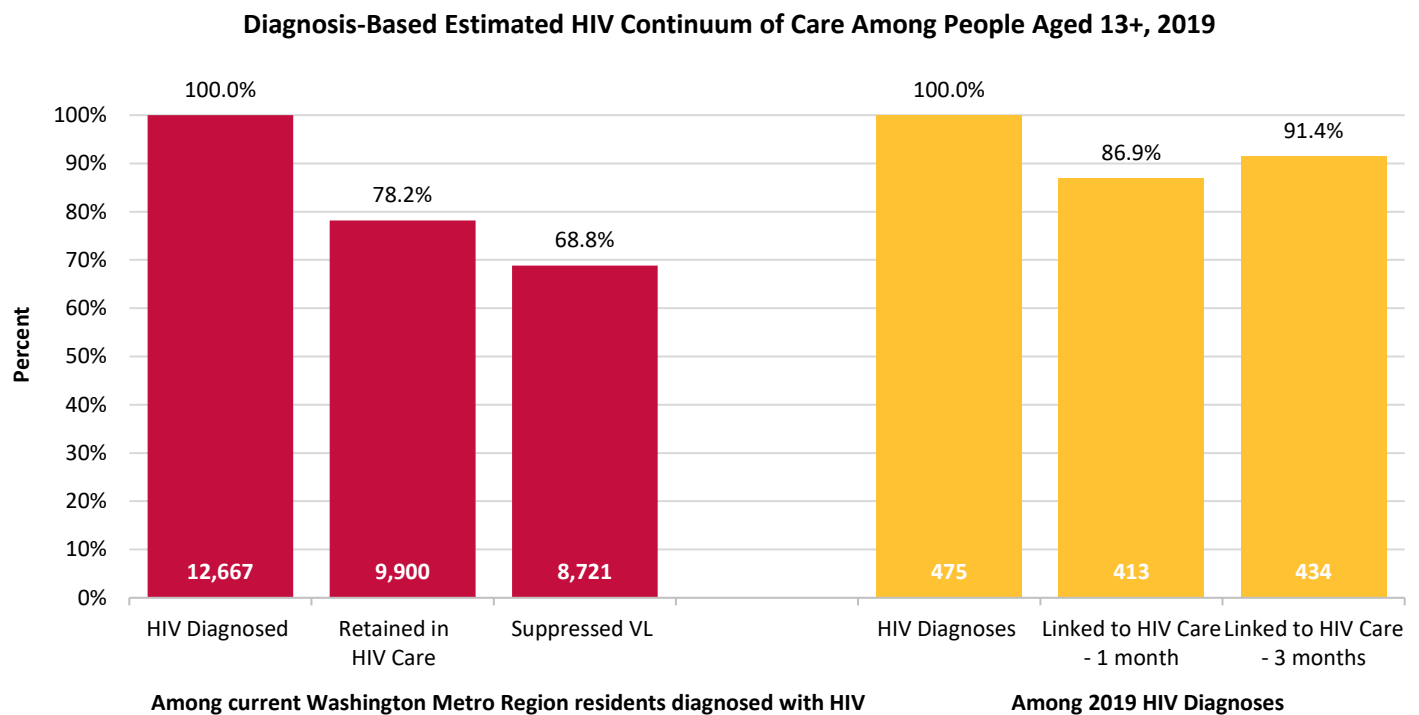


Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2019 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Infected	14,201	100.0%	New HIV Diagnoses	475	100.0%
HIV Diagnosed	12,667	89.2%	Linked to HIV Care – 1 Month	413	86.9%
Retained in HIV Care	9,900	69.7%	Linked to HIV Care – 3 Months	434	91.4%
Suppressed VL	8,721	61.4%			

<sup>1</sup> Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection.” Clin Infect Dis. 2011; 52 (6): 793-800.

**Figure 9 – Diagnosis-Based Estimated 2019 HIV Continuum of Care Cascades, Among Current Washington Metropolitan Region Residents Aged 13+, Reported through June 30, 2020**

The diagnosis-based Washington Metropolitan Region Engagement in HIV Care Cascade (below) uses Maryland surveillance data for current Washington Metropolitan Region residents to describe the number and percentage of persons living with diagnosed HIV in the Washington Metropolitan Region on December 31, 2019 and the number and percentage of new HIV diagnoses in 2019 who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2019 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Diagnosed	12,667	100.0%	New HIV Diagnoses	475	100.0%
Retained in HIV Care	9,900	78.2%	Linked to HIV Care – 1 Month	413	86.9%
Suppressed VL	8,721	68.8%	Linked to HIV Care – 3 Months	434	91.4%

## Section IV – By Jurisdiction

**Table 1 – Reported HIV Diagnoses and Reported AIDS Diagnoses, Among People Aged 13+ During 2019, by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2020**

Jurisdiction of Residence at Diagnosis	Population Age 13+	Reported HIV Diagnoses Among People Aged 13+			Reported AIDS Diagnoses Among People Aged 13+		
		No.	% of Total	Rate	No.	% of Total	Rate
Calvert	77,905	3	0.6%	3.9	3	1.4%	3.9
Charles	136,026	35	7.4%	25.7	11	5.1%	8.1
Frederick	217,096	13	2.7%	6.0	0	0.0%	0.0
Montgomery	877,406	135	28.4%	15.4	72	33.2%	8.2
Prince George's	761,035	289	60.8%	38.0	131	60.4%	17.2
<b>Total</b>	2,069,467	475	100.0%	23.0	217	100.0%	11.7

**Table 2 – Reported HIV Diagnoses, Among People Aged 13+ During 2019, Linked to Care, Late Diagnosis, First CD4 Test Result, and Mean Years from HIV Diagnosis by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2020**

Jurisdiction of Residence at HIV Diagnosis	Reported HIV Diagnoses Among People Aged 13+					
	No.	Linked to Care		% Late HIV Diagnoses	First CD4 Test Result	
		% 1 month	% 3 months		% with Test	Median Count
Calvert	3	***	***	***	***	***
Charles	35	80.0%	88.6%	20.0%	94.3%	334
Frederick	13	***	***	***	***	***
Montgomery	135	90.4%	94.8%	33.3%	92.6%	287
Prince George's	289	87.9%	91.7%	21.8%	92.0%	395
<b>Total</b>	475	86.9%	91.4%	24.2%	91.6%	367

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 3 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Jurisdiction of Residence at Diagnosis and Current Residence, Reported through June 30, 2020**

Jurisdiction of Residence	Population Age 13+	Total People Aged 13+ Living with Diagnosed HIV							
		Residence at Diagnosis				Current Residence			
		No.	% of Total	Rate	Ratio (1 in X)	No.	% of Total	Rate	% Change
Calvert	77,905	114	0.9%	146.3	683	127	1.0%	163.0	11.4%
Charles	136,026	494	3.8%	363.2	275	616	4.9%	452.9	24.7%
Frederick	217,096	368	2.9%	169.5	590	454	3.6%	209.1	23.4%
Montgomery	877,406	4,091	31.8%	466.3	214	3,544	28.0%	403.9	-13.4%
Prince George's	761,035	7,779	60.6%	1,022.2	98	7,926	62.6%	1,041.5	1.9%
<b>Total</b>	2,069,467	12,846	100.0%	620.7	161	12,667	100.0%	612.1	-1.4%

**Table 4 – CD4 Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Jurisdiction of Current Residence, Reported through June 30, 2020**

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Calvert	127	100	78.7%	686	8.0%	7.0%	17.0%	68.0%
Charles	616	487	79.1%	640	7.0%	12.5%	14.2%	66.3%
Frederick	454	356	78.4%	628	3.7%	9.0%	16.9%	70.5%
Montgomery	3,544	2,569	72.5%	605	7.2%	11.3%	16.7%	64.8%
Prince George’s	7,926	6,108	77.1%	617	7.3%	11.3%	16.3%	65.1%
Total	12,667	9,620	75.9%	615	7.1%	11.2%	16.3%	65.3%

**Table 5 – Viral Load Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Jurisdiction of Current Residence, Reported through June 30, 2020**

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
Calvert	127	101	79.5%	93.1%	5,560
Charles	616	494	80.2%	90.1%	6,820
Frederick	454	358	78.9%	92.7%	1,657
Montgomery	3,544	2,586	73.0%	91.0%	10,868
Prince George's	7,926	6,183	78.0%	88.9%	7,500
<b>Total</b>	<b>12,667</b>	<b>9,722</b>	<b>76.8%</b>	<b>89.7%</b>	<b>7,240</b>

## Section V – By Age

**Table 6 – Reported HIV Diagnoses During 2019, Linked to Care, Late Diagnosis, and First CD4 Test Result by Age at HIV Diagnosis, Reported through June 30, 2020**

Age at HIV Diagnosis	Population	Reported HIV Diagnoses							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months	%	% with Test	Median Count
<5 (Pediatric)	153,680	0	0.0%	0.0	--	--	--	--	--
5-12 (Pediatric)	252,197	0	0.0%	0.0	--	--	--	--	--
13-19	220,028	14	2.9%	6.4	92.9%	92.9%	0.0%	92.9%	367
20-29	310,822	151	31.8%	48.6	86.8%	91.4%	13.2%	90.1%	400
30-39	338,877	127	26.7%	37.5	89.0%	93.7%	26.8%	92.9%	348
40-49	328,306	89	18.7%	27.1	84.3%	87.6%	33.7%	89.9%	268
50-59	349,377	51	10.7%	14.6	88.2%	92.2%	29.4%	96.1%	377
60+	522,057	43	9.1%	8.2	83.7%	90.7%	37.2%	90.7%	336
<b>Total</b>	<b>2,475,344</b>	<b>475</b>	<b>100.0%</b>	<b>19.2</b>	<b>86.9%</b>	<b>91.4%</b>	<b>24.2%</b>	<b>91.6%</b>	<b>367</b>

**Table 7 – People Living with Diagnosed HIV, Alive on December 31, 2019, by Age on December 31, 2019, Reported through June 30, 2020**

Age on December 31, 2019	Population	Total People Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
<5 (Pediatric)	153,680	3	0.0%	2.0	51,227
5-12 (Pediatric)	252,197	19	0.1%	7.5	13,274
13-19	220,028	78	0.6%	35.5	2,821
20-29	310,822	1,248	9.8%	401.5	249
30-39	338,877	2,688	21.2%	793.2	126
40-49	328,306	3,029	23.9%	922.6	108
50-59	349,377	3,431	27.0%	982.0	102
60+	522,057	2,193	17.3%	420.1	238
<b>Total</b>	<b>2,475,344</b>	<b>12,689</b>	<b>100.0%</b>	<b>512.6</b>	<b>195</b>

**Table 8 – CD4 Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Age on December 31, 2019, Reported through June 30, 2020**

Age on December 31, 2019	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	78	64	82.1%	621	1.6%	9.4%	20.3%	68.8%
20-29	1,248	960	76.9%	647	7.3%	7.7%	16.4%	68.6%
30-39	2,688	1,984	73.8%	621	7.1%	10.4%	16.3%	66.2%
40-49	3,029	2,277	75.2%	613	7.6%	11.5%	15.9%	65.0%
50-59	3,431	2,649	77.2%	610	7.3%	12.2%	16.1%	64.4%
60+	2,193	1,686	76.9%	605	6.2%	12.5%	17.1%	64.2%
Total	12,667	9,620	75.9%	615	7.1%	11.2%	16.3%	65.3%



**Table 9 – Viral Load Test Results During 2019 for People Living with Diagnosed HIV, Alive on December 31, 2019, by Age on December 31, 2019, Reported through June 30, 2020**

Age on December 31, 2019	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
13-19	78	68	87.2%	77.9%	2,650
20-29	1,248	982	78.7%	80.2%	11,350
30-39	2,688	2,011	74.8%	87.1%	10,047
40-49	3,029	2,296	75.8%	90.7%	7,230
50-59	3,431	2,671	77.8%	91.6%	3,140
60+	2,193	1,694	77.2%	94.5%	3,820
<b>Total</b>	<b>12,667</b>	<b>9,722</b>	<b>76.8%</b>	<b>89.7%</b>	<b>7,240</b>

## Section VI – By Demographics

**Table 10 – Reported HIV Diagnoses, Among People Aged 13+ During 2019, Linked to Care, Late Diagnosis, and First CD4 Test Result by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2020**

Demographic Characteristics	Population Age 13+	Reported HIV Diagnoses Among People Aged 13+							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months	%	% with Test	Median Count
Sex at Birth									
Male	990,321	331	69.7%	33.4	87.0%	90.9%	18.4%	90.3%	381
Female	1,079,145	144	30.3%	13.3	86.8%	92.4%	37.5%	94.4%	307
Gender									
Male	990,321	329	69.3%	33.2	87.2%	91.2%	18.5%	90.6%	381
Female	1,079,145	144	30.3%	13.3	***	***	***	***	***
Transfeminine	--	2	0.4%	0.0	***	***	***	***	***
Transmasculine	--	0	0.0%	0.0	--	--	--	--	--
Another Gender Identity	--	0	0.0%	0.0	--	--	--	--	--
Race/Ethnicity									
Hispanic	321,858	71	14.9%	22.1	83.1%	90.1%	28.2%	88.7%	287
Non-Hispanic	1,747,609	404	85.1%	23.1	87.6%	91.6%	23.5%	92.1%	379
American Indian/Alaska Native, only	5,056	1	0.2%	19.8	***	***	***	***	***
Asian, only	190,297	10	2.1%	5.3	100.0%	100.0%	***	100.0%	389
Black, only	740,142	355	74.7%	48.0	87.6%	91.5%	23.1%	92.1%	381
Native Hawaiian/Other Pacific Islander, only	1,050	0	0.0%	0.0	--	--	--	--	--
White, only	768,978	34	7.2%	4.4	85.3%	91.2%	23.5%	91.2%	310
Multiracial/Other	42,087	4	0.8%	9.5	***	***	***	***	***
Total	2,069,467	475	100.0%	23.0	86.9%	91.4%	24.2%	91.6%	367
Country of Birth									
United States	1,483,312	313	65.9%	21.1	89.1%	93.0%	19.5%	92.3%	381
Foreign-Born	552,369	111	23.4%	20.1	85.6%	91.0%	36.9%	91.9%	299
Africa	--	72	15.2%	--	84.7%	90.3%	36.1%	91.7%	360
Asia	--	4	0.8%	--	***	***	***	***	***
Caribbean	--	5	1.1%	--	***	***	***	***	***
Central America	--	20	4.2%	--	85.0%	90.0%	35.0%	90.0%	264
Other	--	10	2.1%	--	90.0%	90.0%	***	90.0%	326
Unknown	--	51	10.7%	--	76.5%	82.4%	25.5%	86.3%	311
Total	2,035,681	475	100.0%	23.3	86.9%	91.4%	24.2%	91.6%	367

Note. Population data by sex at birth, age, and race/ethnicity are from the 2019 U.S. Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2018 American Community Survey.

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 11 – Reported HIV Diagnoses, Among People Aged 13+ During 2019, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2020**

Reported HIV Diagnoses Among People Aged 13+								
Race/Ethnicity	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
<b>Hispanic</b>	166,643	51	15.4%	30.6	155,215	20	13.9%	12.9
<b>Non-Hispanic</b>	823,678	280	84.6%	34.0	923,931	124	86.1%	34.0
American Indian/Alaska Native, only	2,389	1	0.3%	41.9	2,667	0	0.0%	0.0
Asian, only	88,166	8	2.4%	9.1	102,131	2	1.4%	2.0
Black, only	338,710	239	72.2%	70.6	401,432	116	80.6%	28.9
Native Hawaiian/Other Pacific Islander, only	477	0	0.0%	0.0	573	0	0.0%	0.0
White, only	374,381	29	8.8%	7.7	394,597	5	3.5%	1.3
Multiracial/Other	19,556	3	0.9%	15.3	22,531	1	0.7%	4.4
<b>Total</b>	990,321	331	100.0%	33.4	1,079,145	144	100.0%	33.4

Note. Population data by sex at birth, age, and race/ethnicity are from the 2019 U.S. Census population estimates.

**Table 12 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2019, by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2020**

Demographic Characteristics	Population Age 13+	Total People Aged 13+ Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
Sex at Birth					
Male	990,321	8,374	66.1%	845.6	118
Female	1,079,145	4,293	33.9%	397.8	251
Gender					
Male	990,321	8,294	65.5%	837.5	119
Female	1,079,145	4,289	33.9%	397.4	252
Transfeminine	--	80	0.6%	--	--
Transmasculine	--	4	0.0%	--	--
Another Gender Identity	--	0	0.0%	--	--
Race/Ethnicity					
Hispanic	321,858	1,257	9.9%	390.5	256
Non-Hispanic	1,747,609	11,410	90.1%	652.9	153
American Indian/Alaska Native, only	5,056	9	0.1%	178.0	562
Asian, only	190,297	132	1.0%	69.4	1,442
Black, only	740,142	9,536	75.3%	1,288.4	78
Native Hawaiian/Other Pacific Islander, only	1,050	2	0.0%	190.5	525
White, only	768,978	1,151	9.1%	149.7	668
Multiracial/Other	42,087	580	4.6%	1,378.1	73
Total	2,069,467	12,667	100.0%	612.1	163
Country of Birth					
United States	1,483,312	9,630	76.0%	649.2	154
Foreign-Born	552,369	2,590	20.4%	468.9	213
Africa	--	1,742	13.8%	--	--
Asia	--	99	0.8%	--	--
Caribbean	--	159	1.3%	--	--
Central America	--	394	3.1%	--	--
Other	--	196	1.5%	--	--
Unknown	--	447	3.5%	--	--
Total	2,035,681	12,667	100.0%	622.2	161

Note. Population data by sex at birth, age, and race/ethnicity are from the 2019 U.S. Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2018 American Community Survey.

**Table 13 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2019, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2020**

Total People Aged 13+ Living with Diagnosed HIV								
Race/Ethnicity	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
<b>Hispanic</b>	166,643	979	11.7%	587.5	155,215	278	6.5%	179.1
<b>Non-Hispanic</b>	823,678	7,395	88.3%	897.8	923,931	4,015	93.5%	434.6
American Indian/Alaska Native, only	2,389	***	***	***	2,667	***	***	***
Asian, only	88,166	112	1.3%	127.0	102,131	20	0.5%	19.6
Black, only	338,710	5,878	70.2%	1,735.4	401,432	3,658	85.2%	911.2
Native Hawaiian/Other Pacific Islander, only	477	***	***	***	573	***	***	***
White, only	374,381	975	11.6%	260.4	394,597	176	4.1%	44.6
Multiracial/Other	19,556	421	5.0%	2,152.8	22,531	159	3.7%	705.7
<b>Total</b>	990,321	8,374	100.0%	845.6	1,079,145	4,293	100.0%	397.8

Note. Population data by sex at birth, age, and race/ethnicity are from the 2019 U.S. Census population estimates.

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 14 – CD4 Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2020**

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Sex at Birth								
Male	8,374	6,349	75.8%	602	7.1%	11.8%	17.0%	64.1%
Female	4,293	3,271	76.2%	642	7.0%	10.2%	15.0%	67.7%
Gender								
Male	8,294	6,291	75.9%	600	7.2%	11.8%	17.0%	64.1%
Female	4,289	3,267	76.2%	641	7.0%	10.2%	15.0%	67.7%
Transfeminine	80	***	***	***	***	***	***	***
Transmasculine	4	***	***	***	***	***	***	***
Another Gender Identity	0	--	--	--	--	--	--	--
Race/Ethnicity								
Hispanic	1,257	958	76.2%	609	7.2%	11.4%	16.6%	64.8%
Non-Hispanic	11,410	8,662	75.9%	616	7.1%	11.2%	16.3%	65.4%
American Indian/Alaska Native, only	9	***	***	***	***	***	***	***
Asian, only	132	97	73.5%	585	6.2%	12.4%	17.5%	63.9%
Black, only	9,536	7,247	76.0%	609	7.5%	11.5%	16.8%	64.2%
Native Hawaiian/Other Pacific Islander, only	2	***	***	***	***	***	***	***
White, only	1,151	843	73.2%	684	4.2%	7.7%	13.0%	75.1%
Multiracial/Other	580	467	80.5%	614	6.0%	12.6%	14.8%	66.6%
Country of Birth								
United States	9,630	7,421	77.1%	626	7.0%	10.9%	15.7%	66.3%
Foreign-Born	2,590	1,901	73.4%	583	7.1%	12.6%	18.4%	61.9%
Africa	1,742	1,265	72.6%	566	7.3%	13.4%	19.8%	59.6%
Asia	99	78	78.8%	612	9.0%	7.7%	16.7%	66.7%
Caribbean	159	131	82.4%	690	9.9%	5.3%	13.0%	71.8%
Central America	394	293	74.4%	579	5.8%	13.0%	18.4%	62.8%
Other	196	134	68.4%	616	4.5%	14.9%	11.9%	68.7%
Unknown	447	298	66.7%	604	8.4%	10.7%	17.4%	63.4%
Total	12,667	9,620	75.9%	615	7.1%	11.2%	16.3%	65.3%

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 15 – Viral Load Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2020**

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
Sex at Birth					
Male	8,374	6,418	76.6%	89.8%	7,911
Female	4,293	3,304	77.0%	89.6%	5,252
Gender					
Male	8,294	6,357	76.6%	89.8%	7,868
Female	4,289	3,300	76.9%	89.6%	5,252
Transfeminine	80	***	***	***	***
Transmasculine	4	***	***	***	***
Another Gender Identity	0	--	--	--	--
Race/Ethnicity					
Hispanic	1,257	965	76.8%	89.6%	6,527
Non-Hispanic	11,410	8,757	76.7%	89.7%	7,500
American Indian/Alaska Native, only	9	***	***	***	***
Asian, only	132	98	74.2%	91.8%	29,100
Black, only	9,536	7,323	76.8%	89.0%	7,395
Native Hawaiian/Other Pacific Islander, only	2	***	***	***	***
White, only	1,151	853	74.1%	94.5%	6,425
Multiracial/Other	580	474	81.7%	91.6%	7,520
Country of Birth					
United States	9,630	7,505	77.9%	89.3%	7,955
Foreign-Born	2,590	1,918	74.1%	91.8%	3,824
Africa	1,742	1,270	72.9%	91.0%	3,330
Asia	99	80	80.8%	93.8%	5,390
Caribbean	159	133	83.6%	94.0%	4,105
Central America	394	299	75.9%	92.0%	3,677
Other	196	136	69.4%	94.9%	7,872
Unknown	447	299	66.9%	88.0%	11,797
Total	12,667	9,722	76.8%	89.7%	7,240

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 16 – Males Living with Diagnosed HIV by Age on December 31, 2019 and Race/Ethnicity, Alive on December 31, 2019, and Reported through June 30, 2020**

Total Males Living with Diagnosed HIV						
Age on December 31, 2019		Race/Ethnicity				Total Males by Age Group
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	55,445	68,040	57,739	25,953	207,177
	Number	2	6	1	0	9
	Rate	3.6	8.8	1.7	0.0	4.3
	Ratio (1 in X)	27,722	11,340	57,739	--	23,020
13-19	Population	24,440	37,854	35,694	14,241	112,229
	Number	3	44	2	1	50
	Rate	12.3	116.2	5.6	7.0	44.6
	Ratio (1 in X)	8,147	860	17,847	14,241	2,245
20-29	Population	30,925	58,776	49,276	18,012	156,989
	Number	132	768	50	50	1,000
	Rate	426.8	1,306.7	101.5	277.6	637.0
	Ratio (1 in X)	234	77	986	360	157
30-39	Population	37,096	56,457	53,637	19,271	166,461
	Number	267	1,461	134	125	1,987
	Rate	719.8	2,587.8	249.8	648.6	1,193.7
	Ratio (1 in X)	139	39	400	154	84
40-49	Population	34,888	54,363	51,094	18,372	158,717
	Number	279	1,170	184	124	1,757
	Rate	799.7	2,152.2	360.1	674.9	1,107.0
	Ratio (1 in X)	125	46	278	148	90
50-59	Population	22,375	59,743	67,004	16,587	165,709
	Number	203	1,516	342	151	2,212
	Rate	907.3	2,537.5	510.4	910.4	1,334.9
	Ratio (1 in X)	110	39	196	110	75
60+	Population	16,919	71,517	117,676	24,104	230,216
	Number	95	919	263	91	1,368
	Rate	561.5	1,285.0	223.5	377.5	594.2
	Ratio (1 in X)	178	78	447	265	168
Total Males by Race/Ethnicity	Population	222,088	406,750	432,120	136,540	1,197,498
	Number	981	5,884	976	542	8,383
	Rate	441.7	1,446.6	225.9	397.0	700.0
	Ratio (1 in X)	226	69	443	252	143



**Table 17 – Females Living with Diagnosed HIV by Age on December 31, 2019 and Race/Ethnicity, Alive on December 31, 2019, and Reported through June 30, 2020**

Total Females Living with Diagnosed HIV					
Age on December 31, 2019		Race/Ethnicity			
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race
<13 (Pediatric)	Population	52,842	66,603	54,642	24,613
	Number	1	10	1	1
	Rate	1.9	15.0	1.8	4.1
	Ratio (1 in X)	52,842	6,660	54,642	24,613
13-19	Population	22,975	37,436	33,723	13,665
	Number	2	24	1	1
	Rate	8.7	64.1	3.0	7.3
	Ratio (1 in X)	11,487	1,560	33,723	13,665
20-29	Population	28,304	60,993	46,357	18,179
	Number	24	208	7	9
	Rate	84.8	341.0	15.1	49.5
	Ratio (1 in X)	1,179	293	6,622	2,020
30-39	Population	32,282	63,756	54,045	22,333
	Number	52	583	33	33
	Rate	161.1	914.4	61.1	147.8
	Ratio (1 in X)	621	109	1,638	677
40-49	Population	29,323	65,007	52,607	22,652
	Number	91	1,081	37	63
	Rate	310.3	1,662.9	70.3	278.1
	Ratio (1 in X)	322	60	1,422	360
50-59	Population	21,186	72,667	69,402	20,413
	Number	67	1,054	57	41
	Rate	316.2	1,450.5	82.1	200.9
	Ratio (1 in X)	316	69	1,218	498
60+	Population	21,145	101,573	138,463	30,660
	Number	42	708	41	34
	Rate	198.6	697.0	29.6	110.9
	Ratio (1 in X)	503	143	3,377	902
Total Females by Race/Ethnicity	Population	208,057	468,035	449,239	152,515
	Number	279	3,668	177	182
	Rate	134.1	783.7	39.4	119.3
	Ratio (1 in X)	746	128	2,538	838

## Section VII – By HIV Exposure Category

**Table 18 – Reported HIV Diagnoses, Among People Aged 13+ During 2019, Linked to Care, Late Diagnosis, and First CD4 Test Result, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2020**

Estimated or Reported Exposure Category	Reported HIV Diagnoses Among People Aged 13+						
	No.	% of Total	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 month	% 3 months	%	% with Test	Median Count
Male-to-male Sexual Contact (MSM)	236	49.6%	86.9%	91.0%	14.6%	91.0%	395
Injection Drug Use (IDU)	26	5.5%	83.6%	86.3%	***	89.7%	339
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	8	1.7%	70.4%	97.5%	***	96.3%	518
Heterosexual Contact (HET)	205	43.2%	88.1%	92.2%	35.1%	92.3%	310
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
<b>Total</b>	<b>475</b>	<b>100.0%</b>	<b>86.9%</b>	<b>91.4%</b>	<b>24.2%</b>	<b>91.6%</b>	<b>367</b>
<b>Male Estimated or Reported Exposure Category</b>							
Male-to-male Sexual Contact (MSM)	236	71.2%	86.9%	91.0%	14.6%	91.0%	395
Injection Drug Use (IDU)	15	4.5%	86.5%	90.5%	***	87.8%	434
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	8	2.4%	70.4%	97.5%	***	96.3%	518
Heterosexual Contact (HET)	73	21.9%	89.2%	90.2%	30.5%	88.0%	307
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
<b>Total</b>	<b>331</b>	<b>100.0%</b>	<b>87.0%</b>	<b>90.9%</b>	<b>18.4%</b>	<b>90.3%</b>	<b>381</b>
<b>Female Estimated or Reported Exposure Category</b>							
Injection Drug Use (IDU)	11	7.9%	79.8%	80.7%	***	92.1%	234
Heterosexual Contact (HET)	133	92.1%	87.4%	93.4%	***	94.6%	322
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
<b>Total</b>	<b>144</b>	<b>100.0%</b>	<b>86.8%</b>	<b>92.4%</b>	<b>37.5%</b>	<b>94.4%</b>	<b>307</b>

*Note.* Data for 2019 are preliminary because they are based on a 6-month reporting delay and should not be used to assess trends. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Exposure category estimates are rounded to whole numbers after percentages are calculated. This may be more noticeable in the precision of estimates calculated for small numbers of people. Median count is weighted based on statistical adjustment. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 19 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2020**

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV	
	No.	% of Total
Male-to-male Sexual Contact (MSM)	5,712	45.1%
Injection Drug Use (IDU)	872	6.9%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	299	2.4%
Heterosexual Contact (HET)	5,599	44.2%
Perinatal Transmission	135	1.1%
Other Exposure	14	0.1%
No Estimated or Reported Exposure	35	0.3%
<b>Total</b>	<b>12,667</b>	<b>100.0%</b>
<b>Male Estimated or Reported Exposure Category</b>		
Male-to-male Sexual Contact (MSM)	5,712	68.2%
Injection Drug Use (IDU)	479	5.7%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	299	3.6%
Heterosexual Contact (HET)	1,794	21.4%
Perinatal Transmission	61	0.7%
Other Exposure	5	0.1%
No Estimated or Reported Exposure	23	0.3%
<b>Total</b>	<b>8,374</b>	<b>100.0%</b>
<b>Female Estimated or Reported Exposure Category</b>		
Injection Drug Use (IDU)	393	9.2%
Heterosexual Contact (HET)	3,805	88.6%
Perinatal Transmission	74	1.7%
Other Exposure	9	0.2%
No Estimated or Reported Exposure	12	0.3%
<b>Total</b>	<b>4,293</b>	<b>100.0%</b>

*Note.* Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

**Table 20 – People Aged 13+ Living with Diagnosed HIV by Estimated or Reported Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on December 31, 2019, and Reported through June 30, 2020**

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total	No.	% of Total	No.	% of Total
Male-to-male Sexual Contact (MSM)	673	53.5%	3,813	40.0%	816	70.9%
Injection Drug Use (IDU)	47	3.7%	709	7.4%	71	6.2%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	27	2.1%	202	2.1%	51	4.4%
Heterosexual Contact (HET)	498	39.6%	4,661	48.9%	201	17.5%
Perinatal Transmission	10	0.8%	114	1.2%	5	0.4%
Other Exposure	1	0.1%	8	0.1%	3	0.3%
No Estimated or Reported Exposure	2	0.2%	28	0.3%	4	0.3%
<b>Total</b>	<b>1,258</b>	<b>100.0%</b>	<b>9,535</b>	<b>100.0%</b>	<b>1,151</b>	<b>100.0%</b>
<b>Male Estimated or Reported Exposure Category</b>						
Male-to-male Sexual Contact (MSM)	673	68.7%	3,813	64.9%	816	83.7%
Injection Drug Use (IDU)	29	2.9%	389	6.6%	39	4.0%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	27	2.7%	202	3.4%	51	5.2%
Heterosexual Contact (HET)	245	25.0%	1,400	23.8%	65	6.6%
Perinatal Transmission	4	0.4%	52	0.9%	2	0.2%
Other Exposure	1	0.1%	1	0.0%	2	0.2%
No Estimated or Reported Exposure	1	0.1%	20	0.3%	1	0.1%
<b>Total</b>	<b>980</b>	<b>100.0%</b>	<b>5,877</b>	<b>100.0%</b>	<b>976</b>	<b>100.0%</b>
<b>Female Estimated or Reported Exposure Category</b>						
Injection Drug Use (IDU)	18	6.5%	320	8.8%	32	18.4%
Heterosexual Contact (HET)	253	91.0%	3,261	89.1%	137	77.6%
Perinatal Transmission	6	2.2%	62	1.7%	3	1.7%
Other Exposure	0	0.0%	7	0.2%	1	0.6%
No Estimated or Reported Exposure	1	0.4%	8	0.2%	3	1.7%
<b>Total</b>	<b>278</b>	<b>100.0%</b>	<b>3,658</b>	<b>100.0%</b>	<b>176</b>	<b>100.0%</b>

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

**Table 21 – CD4 Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Estimated or Reported Exposure Category, Reported through June 30, 2020**

Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male-to-male Sexual Contact (MSM)	5,712	4,375	76.6%	629	5.9%	10.6%	15.7%	67.8%
Injection Drug Use (IDU)	872	640	73.3%	590	10.1%	12.7%	15.3%	61.9%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	299	235	78.5%	552	8.1%	12.1%	22.2%	57.6%
Heterosexual Contact (HET)	5,599	4,227	75.5%	606	7.5%	11.8%	16.9%	63.8%
Perinatal Transmission	135	106	78.5%	652	16.0%	8.5%	6.6%	68.9%
Other Exposure	14	12	85.7%	460	16.7%	8.3%	33.3%	41.7%
No Estimated or Reported Exposure	35	26	74.3%	585	11.5%	3.8%	23.1%	61.5%
<b>Total</b>	<b>12,667</b>	<b>9,620</b>	<b>75.9%</b>	<b>615</b>	<b>7.1%</b>	<b>11.2%</b>	<b>16.3%</b>	<b>65.3%</b>

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median count is weighted based on statistical adjustment.

**Table 22 – Viral Load Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Estimated or Reported Exposure Category, Reported through June 30, 2020**

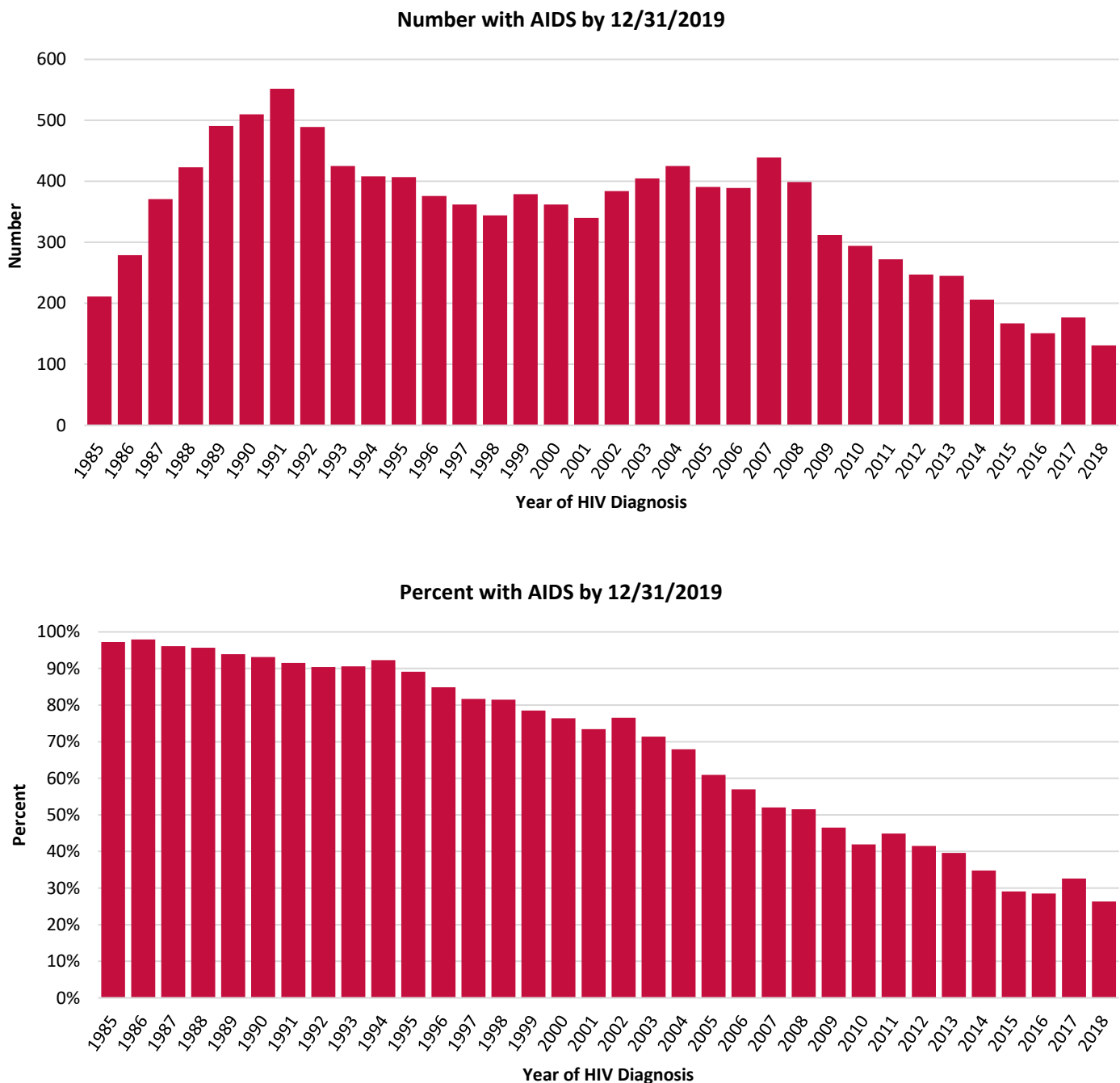
Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male-to-male Sexual Contact (MSM)	5,712	4,440	77.7%	89.7%	11,757
Injection Drug Use (IDU)	872	647	74.1%	89.1%	6,030
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	299	234	78.4%	89.5%	4,900
Heterosexual Contact (HET)	5,599	4,255	76.0%	90.3%	5,480
Perinatal Transmission	135	107	79.3%	75.7%	6,500
Other Exposure	14	12	85.7%	91.7%	250
No Estimated or Reported Exposure	35	27	77.1%	77.8%	2,165
<b>Total</b>	<b>12,667</b>	<b>9,722</b>	<b>76.8%</b>	<b>89.7%</b>	<b>7,240</b>

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median unsuppressed is weighted based on statistical adjustment.

## Section VIII – Disease Progression and Mortality

**Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2018, Reported through June 30, 2020**

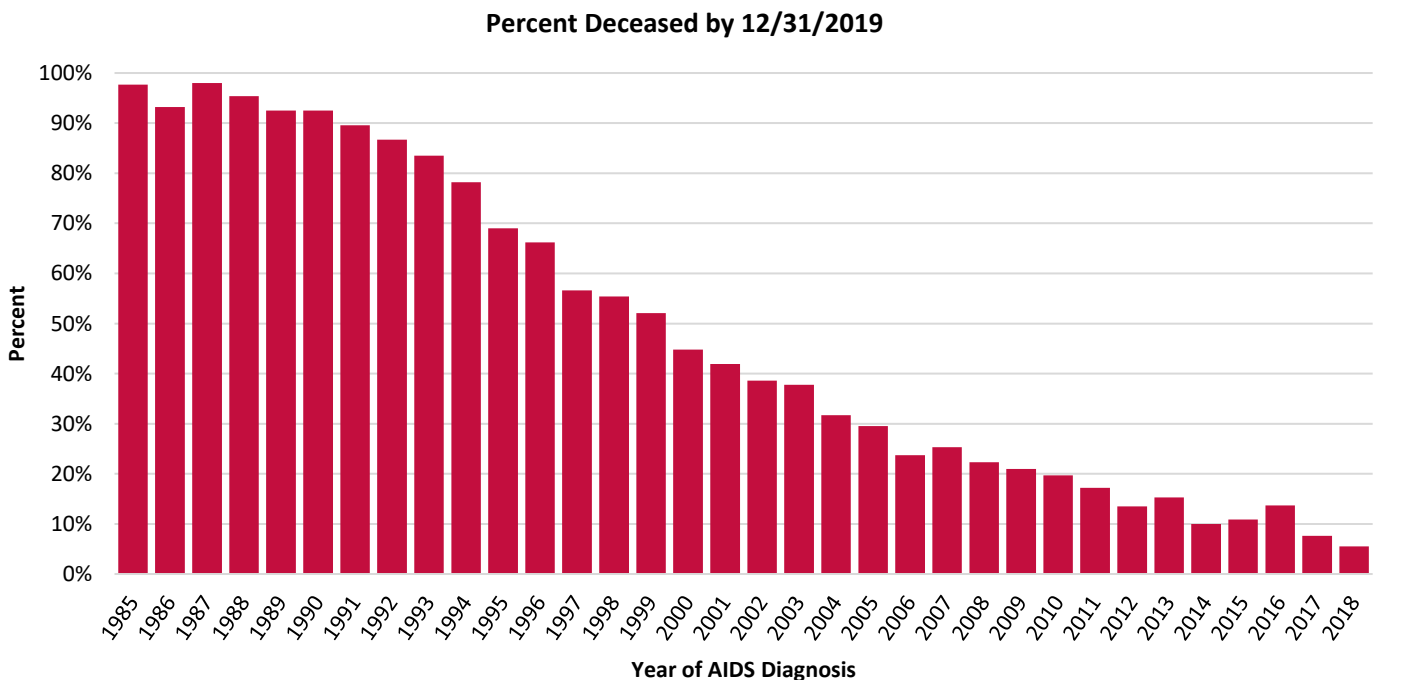
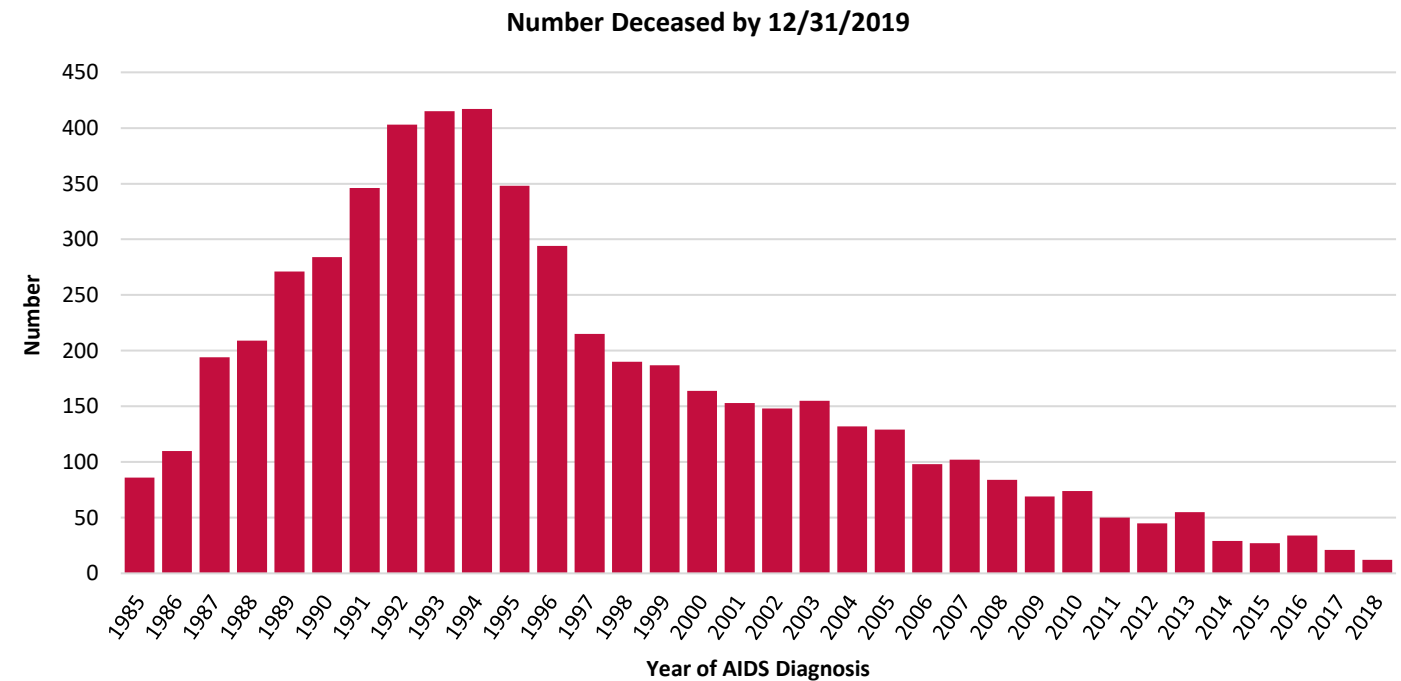
Number of People Aged 13+ with Diagnosed HIV, Age 13+ at HIV Diagnosis, (Reported HIV Diagnoses Among People Aged 13+), Number of People Aged 13+ with Diagnosed HIV with an AIDS Diagnosis by December 31, 2019 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis Among People Aged 13+ by December 31, 2019, the Average Years from HIV Diagnosis to AIDS Diagnosis for People with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis Among People Aged 13+ at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2018, Reported through June 30, 2020



Reported HIV Diagnoses Among People Aged 13+								
Year of HIV Diagnosis	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	123	116	94.3%	7.7	42.3%	42.3%	45.5%	58.5%
1985	217	211	97.2%	5.9	40.6%	41.9%	49.3%	76.5%
1986	285	279	97.9%	5.0	42.5%	43.2%	53.7%	85.3%
1987	386	371	96.1%	3.9	47.4%	48.2%	64.2%	86.5%
1988	442	423	95.7%	3.3	48.4%	53.2%	72.6%	88.5%
1989	523	491	93.9%	2.9	49.7%	52.6%	73.8%	88.5%
1990	548	510	93.1%	3.1	47.6%	54.9%	73.2%	87.2%
1991	603	552	91.5%	2.6	51.9%	60.5%	77.9%	85.6%
1992	541	489	90.4%	3.0	49.2%	57.1%	73.8%	82.8%
1993	469	425	90.6%	2.1	60.6%	66.3%	77.6%	85.5%
1994	442	408	92.3%	2.1	66.1%	71.7%	78.1%	86.7%
1995	457	407	89.1%	2.1	63.2%	68.5%	74.0%	84.0%
1996	443	376	84.9%	2.0	62.1%	64.1%	72.5%	80.4%
1997	443	362	81.7%	2.0	59.8%	63.7%	69.5%	77.4%
1998	422	344	81.5%	2.1	58.5%	62.6%	69.2%	76.3%
1999	483	379	78.5%	1.8	59.0%	62.9%	68.1%	73.5%
2000	474	362	76.4%	2.1	54.6%	57.8%	64.3%	71.5%
2001	463	340	73.4%	2.1	52.7%	54.9%	62.6%	68.7%
2002	502	384	76.5%	1.5	60.0%	63.7%	68.7%	72.9%
2003	567	405	71.4%	1.7	54.7%	56.8%	61.9%	67.7%
2004	626	425	67.9%	1.7	51.3%	54.0%	58.0%	65.5%
2005	642	391	60.9%	1.4	47.4%	50.0%	54.2%	59.0%
2006	682	389	57.0%	1.8	40.8%	43.5%	49.4%	54.4%
2007	845	439	52.0%	1.8	36.2%	38.5%	43.9%	49.7%
2008	775	399	51.5%	1.4	36.9%	39.9%	46.6%	51.0%
2009	671	312	46.5%	1.9	31.6%	33.8%	39.2%	46.1%
2010	702	294	41.9%	1.3	30.1%	33.0%	37.6%	--
2011	606	272	44.9%	1.3	33.3%	36.5%	39.8%	--
2012	595	247	41.5%	1.0	32.1%	34.8%	38.7%	--
2013	618	245	39.6%	0.8	32.8%	34.5%	38.0%	--
2014	592	206	34.8%	0.8	26.5%	28.5%	33.8%	--
2015	574	167	29.1%	0.6	24.7%	26.3%	--	--
2016	529	151	28.5%	0.5	24.4%	26.3%	--	--
2017	543	177	32.6%	0.2	30.8%	32.2%	--	--
2018	499	131	26.3%	0.2	25.1%	--	--	--
Total	18,332	11,879	64.8%	2.2	43.9%	47.1%	54.4%	61.3%

**Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2018, Reported through June 30, 2020**

Number of People Aged 13+ with Diagnosed HIV, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by December 31, 2018 (Reported AIDS Diagnoses), Number of Reported AIDS Diagnosis Among People Aged 13+ Reported to Have Died of Any Cause by December 31, 2019 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) Among People Aged 13+ by December 31, 2019, the Average Years from AIDS Diagnosis to Death for People that have Died, and the Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses Among People Aged 13+ Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2018, Reported through June 30, 2020





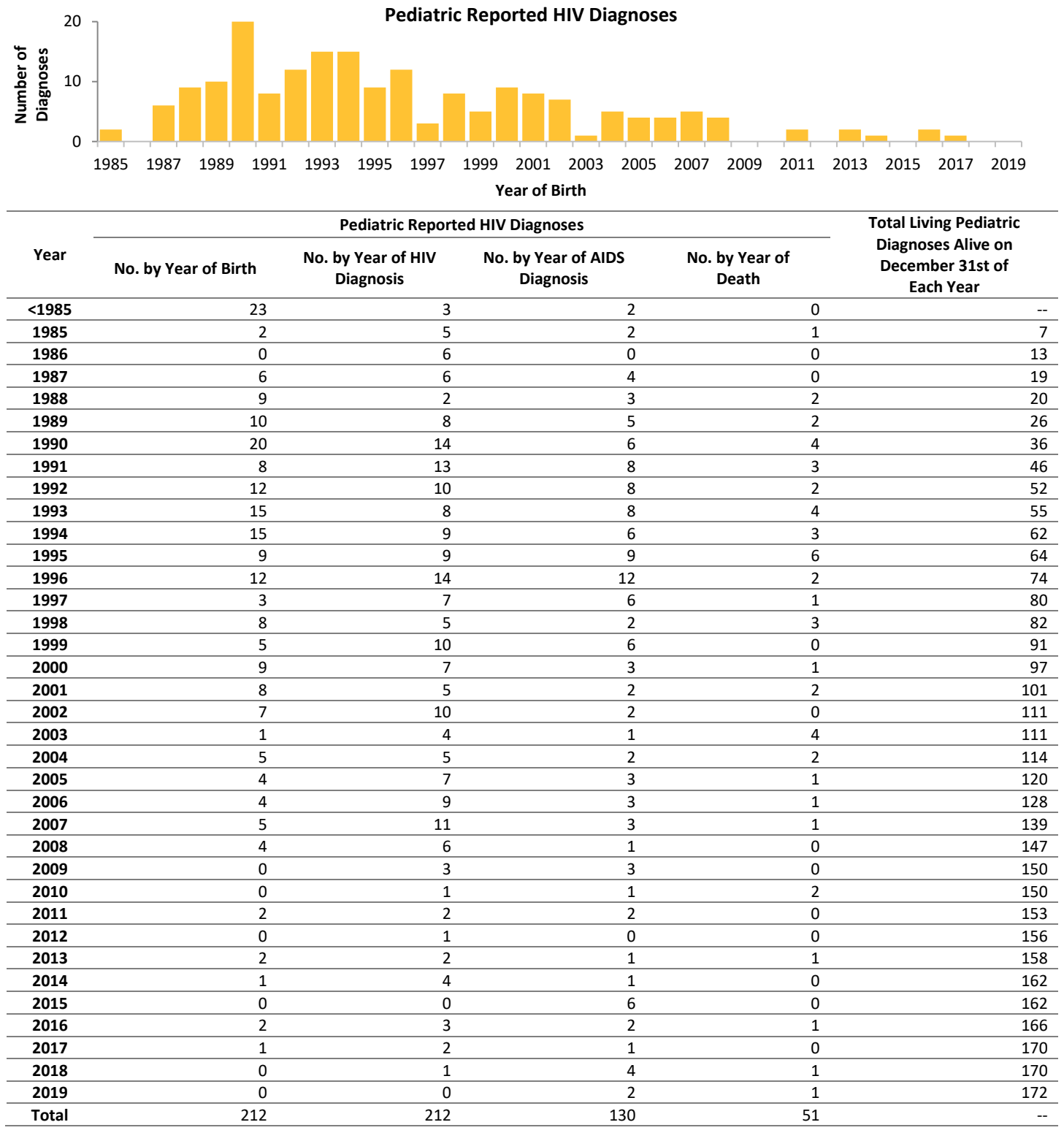
Year of AIDS Diagnosis	Reported AIDS Diagnoses Among People Aged 13+							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Deceased	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	59	59	100.0%	0.9	33.9%	6.8%	3.4%	0.0%
1985	88	86	97.7%	1.4	40.9%	15.9%	11.4%	3.4%
1986	118	110	93.2%	1.9	51.7%	32.2%	12.7%	9.3%
1987	198	194	98.0%	2.1	52.0%	29.3%	10.6%	6.6%
1988	219	209	95.4%	2.0	61.6%	36.1%	13.2%	6.8%
1989	293	271	92.5%	3.2	68.6%	50.9%	21.8%	13.7%
1990	307	284	92.5%	3.0	65.5%	49.2%	22.5%	14.3%
1991	386	346	89.6%	2.8	68.4%	52.1%	19.7%	15.0%
1992	465	403	86.7%	3.4	74.4%	53.8%	26.0%	20.9%
1993	497	415	83.5%	3.6	73.0%	57.5%	33.4%	25.6%
1994	533	417	78.2%	3.8	76.4%	55.5%	40.9%	30.6%
1995	504	348	69.0%	4.9	75.8%	65.9%	55.4%	43.7%
1996	444	294	66.2%	5.5	81.1%	75.2%	64.2%	47.7%
1997	380	215	56.6%	5.4	82.1%	76.8%	66.1%	55.3%
1998	343	190	55.4%	5.8	85.7%	81.9%	71.4%	56.0%
1999	359	187	52.1%	5.5	85.0%	79.4%	70.5%	57.9%
2000	366	164	44.8%	6.4	91.8%	89.6%	79.0%	65.8%
2001	365	153	41.9%	5.5	87.7%	84.1%	76.2%	67.4%
2002	383	148	38.6%	4.6	88.8%	85.9%	75.5%	67.9%
2003	410	155	37.8%	4.9	88.8%	83.9%	77.1%	70.2%
2004	417	132	31.7%	5.0	90.4%	87.3%	81.5%	74.8%
2005	438	129	29.5%	4.2	90.4%	88.4%	81.3%	74.2%
2006	413	98	23.7%	4.3	93.0%	91.0%	85.7%	78.5%
2007	403	102	25.3%	4.1	91.1%	88.3%	84.4%	77.2%
2008	377	84	22.3%	3.0	90.5%	87.8%	83.6%	78.8%
2009	329	69	21.0%	2.8	90.6%	89.1%	84.2%	79.6%
2010	376	74	19.7%	2.8	92.8%	90.2%	85.4%	--
2011	290	50	17.2%	2.5	94.1%	91.0%	85.2%	--
2012	334	45	13.5%	2.3	93.1%	91.6%	89.5%	--
2013	359	55	15.3%	1.7	92.5%	89.7%	86.4%	--
2014	290	29	10.0%	1.7	95.9%	93.8%	90.3%	--
2015	247	27	10.9%	1.0	92.7%	91.5%	--	--
2016	249	34	13.7%	0.7	90.4%	87.6%	--	--
2017	276	21	7.6%	0.7	94.6%	92.8%	--	--
2018*	220	12	5.5%	0.2	94.5%	--	--	--
Total	11,735	5,609	47.8%	3.8	83.3%	75.6%	64.7%	57.7%

\*2018 AIDS deaths are preliminary

## Section IX – Pediatrics

**Figure 12 – Trends in Reported HIV Diagnoses Among People Aged <13, 1985-2019, Reported through June 30, 2020**

Number of Pediatric HIV Diagnoses, Age <13 at HIV Diagnosis, (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Children with Diagnosed HIV, Age <13 at HIV Diagnosis, and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Total Living Pediatric Diagnoses) from 1985 through 2019, as Reported by Name through June 30, 2020



**Table 23 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2019, by Jurisdiction of Current Residence, Reported through June 30, 2020**

Jurisdiction of Current Residence	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Calvert	0	0.0%
Charles	4	18.2%
Frederick	0	0.0%
Montgomery	7	31.8%
Prince George's	11	50.0%
<b>Total</b>	22	100.0%

**Table 24 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2019, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2020**

Demographic Characteristic	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
<b>Sex at Birth</b>		
Male	9	40.9%
Female	13	59.1%
<b>Race/Ethnicity</b>		
<b>Hispanic</b>	3	13.6%
<b>Non-Hispanic</b>	19	86.4%
American Indian/Alaska Native, only	0	0.0%
Asian, only	1	4.5%
Black, only	16	72.7%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	2	9.1%
Multiracial/Other	0	0.0%
<b>Total</b>	22	100.0%

## Glossary of Terms

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Age on [date]:** Age group of people living with diagnosed HIV on the specified date.

**Another Gender Identity:** All other gender identities or gender expressions.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of people living with diagnosed HIV with a CD4 test distributed by their CD4 count results (cells per microliter).

**CD4 With Test:** Number and percent of total people aged 13+ living with diagnosed HIV with a recent CD4 test result.

**Corrections:** Residence in a state or federal prison. Does not include local jails and detention centers.

**Current Residence:** Jurisdiction of residence from the most recent report since January 1, 2009.

**First CD4 Test Result Median Count:** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**First CD4 Test Result Percent with Test:** Percent of reported HIV diagnoses among people aged 13+ with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

**Gender Expression:** People's outward presentation of their gender which may or may not conform to socially defined behaviors and characteristics typically associated with being either masculine or feminine.

**Gender Identity:** Refers to one's internal understanding of one's own gender, or the gender with which a person identifies.

**Heterosexual Contact (HET):** Men or women who report a history of sexual contact with a person of the opposite sex who is known to be HIV positive or at increased risk for HIV transmission. Risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue, and artificial insemination.

**Injection Drug Use (IDU):** Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

**Jurisdiction of Current Residence:** Jurisdiction of residence from the most recent report since January 1, 2009.

**Jurisdiction of Residence:** Jurisdiction of residence at diagnosis or current residence.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at the later time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Late HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 3 months after their initial HIV diagnosis.

**Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

**People Aged 13+ Living with Diagnosed HIV:** Reported HIV diagnoses, age 13 years or older as of December 31<sup>st</sup> of the specified year and not reported to have died as of December 31<sup>st</sup> of the specified year.

**People Living with Diagnosed HIV:** Reported HIV diagnoses not reported to have died as of December 31<sup>st</sup> of the specified year.

**Mean Years from HIV Diagnosis:** Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for people living with a reported AIDS diagnosis.

**Mean Years from AIDS diagnosis to AIDS Death:** Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

**Median Count:** Median CD4 count (cells per microliter), among total people aged 13+ living with diagnosed HIV, of the most recent CD4 test result measured in the specified year.

**Median Unsuppressed:** Median unsuppressed viral load (copies per milliliter) among people aged 13+ living with diagnosed HIV of the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

**Male-to-male Sexual Contact (MSM):** Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

**Male-to-male Sexual Contact/Injection Drug Use (MSM/IDU):** Men who report a history of sexual contact with other men who also have engaged in injection drug use.

**Other Exposure:** Includes men or women who received clotting factor for hemophilia/coagulation disorder, or received a transfusion of blood/blood components, or received a transplant of tissue/organs or artificial insemination, or worked in a health care or clinical laboratory setting.

**Percent Change:** The percent change in number of total people aged 13+ living with diagnosed HIV from residence at diagnosis to current residence.

**Percent Alive by Years after AIDS Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

**Percent Late HIV Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 3 months prior to their initial AIDS diagnosis.

**Percent Suppressed:** Percent of total people aged 13+ living with diagnosed HIV with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

**Percent with AIDS by Years after HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

**Perinatal Exposure:** Any baby born to a woman living with diagnosed HIV.

**Perinatal HIV Transmission Percent:** Percent of confirmed perinatal HIV transmissions among reported perinatal HIV exposures by year of birth.

**Perinatal HIV Transmission Rate:** Number of confirmed perinatal HIV transmissions divided by the number of live births multiplied by 100,000 by year of birth.

**Population:** Population estimate for July 1, 2019.

**Population Age 13+:** Population age 13 years or older, estimate for July 1, 2019.

**Rate:** Number of people living with diagnosed HIV divided by the population and multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 person living with diagnosed HIV in the population, or 1 person living with diagnosed HIV in every X number of people.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year.

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year.

**Reported AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**Reported AIDS Diagnoses Among People Aged 13+:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Reported HIV Diagnoses Among People Aged 13+:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Residence at Diagnosis:** Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

**Retained in HIV Care:** HIV diagnosed with a reported CD4 or viral load test result performed or reported antiretroviral use in the specified year.

**Suppressed Viral Load:** HIV diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

**Total People Aged 13+ Living with Diagnosed HIV:** Reported HIV diagnoses, age 13 years or older as of December 31<sup>st</sup> of the specified year not reported to have died as of December 31<sup>st</sup> of the specified year.

**Total People Aged <13 Living with Diagnosed HIV:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Total People Living with Diagnosed HIV:** Reported HIV diagnoses not reported to have died as of December 31<sup>st</sup> of the specified year.

**Transfeminine:** A person whose sex assigned at birth is male but who identify as feminine.

**Transmasculine:** A person whose sex assigned at birth is female but who identify as masculine.

**Viral Load With Test:** Number and percent of total people aged 13+ living with diagnosed HIV with a recent viral load test result.